POWER INDUCTOR CATALOG

パワーインダクタカタログ

RoHS
Compliance
Cd: Max. 0.01wt%
Others: Max. 0.1wt%

ver. 1.0

SUMIDA CORPORATION

POWER INDUCTOR
CONTENTS

☐ Specifications in this catalog are subject to change without notice.It is requested to confirm the specifications when ordering.
☐ Any dimensions without tolerance is typical value.
☐ Sumida declares that any ozone depleting substance is not used in the all coil manufacturing process.
☐ We recommend to use resist to protect from solder bridge.

☐ 本カタログは、記載内容を予告なく変更する事がありますのでご了承下さい。なお、御注文に際しては、仕様・納入仕様書等の取り交わしをお願いします。
☐ 寸法図に公差のないものは参考値です。
☐ 当社製品の加工、組立等の全工程において一切のオゾン層破壊物質は使用しておりません。
☐ はんだブリッジ対策の為、レジスト等を用いる事を推奨します。

RoHS Compliance Cd:Max.0.01wt% Others:Max.0.1wt%

Scope of Sumida products

1. Sumida components are manufactured and promoted for use in general electronics devices such as audio-video equipment,home electric appliance,office automation equipment,in-car equipment,communication equipment, measurement hardware,machine accessory and medical equipment.
2. In case of using the product for the purpose other than general electronics devices, please do not fail to consult with our business headquarters, branch or business office.
   When the suggested recommendations are not heeded, Sumida Group shall not be held liable for any dysfunction in or damage to the equipment with which the product is used.
3. In the event a problem occurs which may affect industrial property and any other rights of Sumida Group (or a third party) during the use of the product and information described in this catalog, Sumida Group shall not be held liable for any such problem, nor grant any license to the offending party.

General stipulations for coil use

1. It might be changed specification / contents for improvements without prior notice.
2. To be avoided any quality degradation, do not store the products in harsh environment as high temperature, humid, dusty and corrosive gas or any.
3. Please be avoided to use Sumida products in sealed environment due to causing condensation with humidity cycles.
4. Please be avoided to drop Sumida products, messy handling and bulk storage due to causing damaged.
5. DO NOT touch product terminals by hands due to causing solderability degradation.
6. DO NOT bend the terminals due to stressing to the product and causing open coil.
7. The all terminals of Sumida products must be soldered on PCB completely.
8. All Sumida products are not guaranteed washing process. However, please contact us if you need to perform PCB washing process.
9. Please be avoided to placing any Sumida products on edge side of PCB when you design the board layout.
10. Please be careful if you solder the surface mount products by hand due to all the products have been designed for automated mounting process.
11. For the mounting process, please be avoided to touch any exposed winding part and do not use products terminals for guiding to place.
12. The product quality should be prescribed by delivery specification. Please be evaluated Sumida products with mounted on the board.
13. Regarding develop stage product
    - The product which indicates "PROVISIONAL" is under development at the moment.
    - Please contact us to get latest mass production launch schedule.
14. It might be occurred audible noise if audible frequency current included on rating current.
15. The temperature rise of products are depending on the condition such as mounting and environment.
16. Please refer to delivery spec when you approve Sumida products.

Response to RoHS directive

Sumida products are RoHS compliance.

スミダ製品の適用範囲

1. 弊社製品は、AV機器、家電製品、OA機器、車載機器、通信機器、計測機器、工作機器及び医療機器などの一般電子機器に使用されることを前提に製造、販売されております。
2. 万が一弊社製品を一般電子機器以外の用途に使用される場合は、必ず弊社営業部門にお問い合わせ下さい。また、使用条件を満たさない場合や超えた場合による搭載機器に何らかの事故、損害が発生した場合でも弊社は一切その責を負いませんので、予めご了承下さい。
3. 弊社カタログに記載されている製品、もしくは情報使用に際して弊社または第三者の産業財産権（工業所有権）ほか、権利に係わる問題が発生した場合、弊社はその責を負うものではありません。また、実施権の許諾を行うものではありません。

コイル使用上の共通注意事項

1. 製品の改善等により記載内容を予告なく変更することがありますのでご了承下さい。
2. 製品は高温、多湿、塵埃、腐食性ガスの無い環境で保管して下さい。
3. 結露する環境での使用は避けて下さい。密閉状態の環境で使用する場合は温度変化により結露をする恐れがありますので注意して下さい。
4. 製品の落下や乱雑な取り扱い、バラ積みは、破損の恐れがありますので注意して下さい。
5. 手脂によりはんだ付け性が劣化しますので、端子に直接手を触れないで下さい。
6. 端子への過度なストレスは断線の原因になりますので、端子は折り曲げないで下さい。
7. 端子は、全てプリント基板にはんだ付けをして下さい。
8. コイルの洗浄はしないで下さい。もし、洗浄が必要な場合は連絡して下さい。
9. プリント基板設計の際は、コイルは端面部への配置を避けて下さい。
10. 面実装コイルは自動実装を基準に設計されていますので、手はんだの場合は取り扱いに注意して下さい。
11. コイルを自動実装される場合は、巻線露出部分への接触を避けて下さい。また、端子をガイドとして使用しないで下さい。
12. 弊社納入仕様書は、部品単体での品質を規定するものです。ご使用に際しては、御社製品に実装された状態で必ず評価、ご確認をお願いします。
13. 開発中製品について
    - PROVISIONALマークのついている製品は現在開発中です。
    - 量産時期についてはお問合せ下さい。
14. コイル製品に可聴周波数成分を含んだ電流を流すと、製品からうなり音が発生する場合があります。
15. 温度上昇は基板条件や環境条件等で異なります。
16. 最終選定の際は必ず個別仕様書を参照して下さい。

RoHS指令対応

スミダ製品は、RoHSに対応しています。

Applications

It shows you that which Sumida products are used in each applications.
アプリケーション内部のどの部分にスミダ製品が使用されるかを記しました。

Automotive related / 車載関連

Car Navigation/ Car Audio

Power inductor

L.P.F Coil for D-AMP

ECU

ADAS

Power Inductor

LED

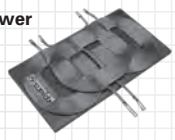
Common mode choke

Transformer Power Inductor

Electric source of head light driving circuit

Wireless Power Transfer <WPC準拠>

Wireless power transfer coil



Back Sonar

Step-up transformer for driving Back Sonar's ultrasonic-wave

Antenna

LF RX Key antenna

LF TX-antenna

Smart key for Passive entry and engine start

Injection

Direct-injection engine coil

Air-conditioner

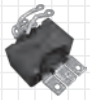
Actuator mold coil for variable compressor to drive valves

Electric compressor for Car Air-Conditioner

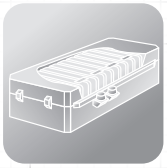
Fly-back transformer

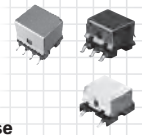
Step downDC-DC Converter

Transformer Choke coil



Battery Management System





Isolation Pulse transformer for BMS

On-board Charger

Resonance coil Current transformer Choke coil Transformer

CAN Bus/FlexRay/LAN

Common mode choke

Pulse Transformer

Idle reduction

Power Inductor Choke coil

Reactor & Transformer

Transformer

Reactor

Inverter for Motor drive

Isolation transformer for IGBT control to drive HEVs/EVs and motors of air-conditioning

Transmission

Actuator mold coil for CVT transmission's oil-pressure control

ABS/ESC

ABS coil

Consumer electronics / 民生機器

Smart phone, Tablet PC, Mobile phone and Wireless power transfer coil



Power inductor




Wireless power transfer coil

Game instrument

DC common mode choke

L.P.F Coil for D-AMP

AC common mode choke

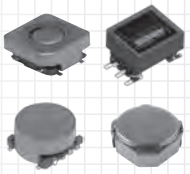
LAN transformer

Modem transformer

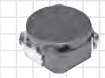
Power inductor


Digital still camera / Mirrorless camera

Transformer

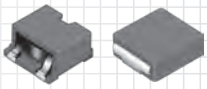


Power inductor

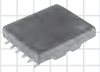


Notebook PC

Power inductor



LAN transformer



LED lighting

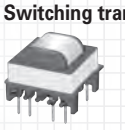
Transformer

Power inductor


Printer

Power inductor

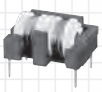
Switching transformer




LAN transformer

LCD TV

AC common mode choke



DC common mode choke

Switching transformer

LAN transformer

Power inductor

L.P.F. coil

Indoor & outdoor equipments for air-conditioner

AC common mode choke

Small-sized reactor

Normal mode choke

Power supply for household use

AC common mode choke

Power inductor

Transformer

Industrial electronics / 産業機器

Solar photovoltaics

Wind power generation

Generator with Inverter

Edge-wise coil

DCL/ACL reactor

Transformer

Pulse transformer for BMS

EV fast charger / standard charger

Transformer

DCL/ACL reactor

Traffic light

Transformer

Controller for industrial robot

Transformer

Medical equipment

Isolation transformer

Network Isolation transformer

Multi Output Isolation transformer

PLC

Common mode choke

Isolation transformer

Security and RFID

Antenna

Forklift

HV-construction machine

Reactor

Transformer

Power Inductor

Suitable range of inductance and rated D.C. current with max. height

高さ・形名別仕様範囲表

SMD Type

Shielded Type 閉磁路タイプ

Height (Max.) 高さ	Type name 形名	Installation space (Max.) 面積 (mm)	INDUCTANCE インダクタンス	PAGE
1.0 mm	0603CDWLF/DS	1.8 x 1.2	0.47μH～47.0μH	63
	CDRH26D09	2.8 x 3.1	1.2μH～10.0μH	65
	0410CDMCC/DS	4.45 x 4.75	0.1μH～10.0μH	56
1.2 mm	252012CDMCD/DS	2.2 x 2.7	0.47μH～2.2μH	55
	CDRH26D11	2.8 x 3.1	1.0μH～15.0μH	65
	CDH30D11D/MB	3.2 x 3.1	1.0μH～15.0μH	101
	CDH30D11D	3.2 x 3.15	1.0μH～22.0μH	103
	CDRH2D11B/HP	3.2 x 3.2	1.0μH～10.0μH	67
	CDH38D11D/LD	4.1 x 3.95	1.1μH～22.0μH	104
	0412CDMCC/DS	4.45 x 4.75	0.1μH～4.7μH	56
	0512CDMCC/DS	5.4 x 5.7	0.1μH～4.7μH	57
1.25 mm	CD20D11MB	2.2 x 2.2	0.12μH～10.0μH	100
1.4 mm	0805CDWLF/DS	2.4 x 1.73	0.10μH～47.0μH	64
1.5 mm	CDH30D14D/SHP	3.2 x 3.15	0.68μH～10.0μH	103
	CDH30D14/H125	3.2 x 3.2	1.0μH～10.0μH	40
	CDRH30D14R	3.3 x 3.15	1.0μH～10.0μH	66
	CDRH3D14	4.0 x 4.0	1.2μH～22.0μH	69
	0415CDMCC/DS	4.45 x 4.75	0.22μH～6.8μH	56
	CDRH4D14	4.8 x 4.8	1.2μH～68.0μH	72
	CDRH58D14R	6.0 x 6.0	1.0μH～47.0μH	76
	CDRH6D12	6.7 x 6.7	1.0μH～68.0μH	79
1.55 mm	CDRH2D14	3.2 x 3.2	0.21μH～12.0μH	66
1.8 mm	CDRH2D16/LD	3.2 x 3.2	2.2μH～27.0μH	67
	CD40D16MB	4.2 x 4.2	0.15μH～15.0μH	101
	0518CDMCC/DS	5.4 x 5.7	0.1μH～15.0μH	57
	CDRH5D16	5.8 x 5.8	0.9μH～100μH	75
	0618CDMCC/DS	6.8 x 7.3	0.1μH～10.0μH	58
	CDRH7D16	8.0 x 7.7	1.2μH～100μH	81
2.0 mm	CDRH2D18/HP	3.2 x 3.2	0.2μH～15.0μH	68
	CDRH2D18/LD	3.2 x 3.2	2.2μH～47.0μH	68
	CD30D18MB	3.2 x 3.2	2.2μH～10.0μH	100
	CDRH3D18	4.0 x 4.0	1.0μH～47.0μH	70
	CDPH40D18	4.2 x 4.2	1.0μH～33.0μH	50
	CDMC40D18/L150	4.35 x 4.75	0.1μH～4.7μH	20
	CY0420AT125/DS	4.4 x 4.75	0.22μH～10.0μH	17
	0420CDMCC/DS	4.45 x 4.75	0.1μH～22.0μH	56
	CDRH40D18/A	4.5 x 4.5	2.2μH～47.0μH	31
	CDPH49D19F	5.1 x 5.1	1.1μH～10.0μH	51
	CDPH4D19F	5.2 x 5.2	3.3μH～47.0μH	73
	CDRH50D18R	5.2 x 5.2	1.0μH～100μH	74
	CDRH58D18R	6.0 x 6.0	0.9μH～330μH	77
2.2 mm	CDMPIH40D18	4.3 x 4.3	10.0μH	50
2.4 mm	CDRH4D22/HP	5.0 x 5.0	1.2μH～100μH	72
	0624CDMCC/DS	6.8 x 7.3	0.08μH～22.0μH	58
2.5 mm	CDRH3D23	3.92 x 3.92	0.47μH～47.0μH	69
	CDRH3D23/HP	4.0 x 4.0	1.2μH～47.0μH	70
	CDRH6D23/HP	7.0 x 7.0	1.2μH～100μH	79
2.8 mm	CD40D26MB	4.2 x 4.2	0.2μH～33.0μH	102
3.0 mm	CDRH3D28	4.0 x 4.0	1.0μH～47.0μH	71
	CDRH40D28	4.2 x 4.2	1.5μH～68.0μH	71
	CDRH40D28/T125	4.5 x 4.5	1.5μH～33.0μH	31
	CDRH4D28C/LD	5.1 x 5.1	1.0μH～100μH	73
	CDRH50D28R	5.3 x 5.3	1.2μH～47.0μH	74
	CDRH50D28B/T150	5.3 x 5.6	1.0μH～100μH	24
	0530CDMCC/DS	5.4 x 5.7	0.1μH～10.0μH	57

Height (Max.) 高さ	Type name 形名	Installation space (Max.) 面積 (mm)	INDUCTANCE インダクタンス	PAGE
3.0 mm	CDMC50D28/L150	5.45 x 5.95	0.12μH～22.0μH	20
	CDMC50D28/T150	5.45 x 5.95	0.1μH～10.0μH	22
	CDRH5D28	6.0 x 6.0	2.5μH～100μH	76
	CDRH5D28R/HP	6.3 x 6.2	2.2μH～47.0μH	77
	CDRH60D28R	6.3 x 6.3	1.0μH～150μH	78
	CD60D28MB	6.3 x 6.3	33.0μH～120μH	102
	CDRH5D28RB/H125	6.5 x 6.2	1.0μH～100μH	32
	CDMPIH60D28	6.6 x 6.2	2.2μH～33.0μH	52
	CDMC60D28/T150	6.8 x 7.3	0.1μH～15.0μH	22
	0630CDMCC/DS	6.8 x 7.3	0.1μH～33.0μH	58
	0630CDMCD/DS	6.8 x 7.3	0.1μH～10.0μH	59
	CDMC60D28/L150	6.8 x 7.3	0.1μH～22.0μH	21
	CDRH6D28	7.0 x 7.0	3.0μH～100μH	80
	0830CDMCC/DS	8.0 x 8.4	0.22μH～33.0μH	60
	CDRH8D28	8.3 x 8.3	1.0μH～100μH	82
	CDRH8D28HP	8.3 x 8.3	3.3μH～68.0μH	82
3.1 mm	CDRH103R	10.5 x 10.3	0.8μH～150μH	85
	CY0530AT125/DS	5.5 x 5.8	0.47μH～22.0μH	17
	CD60D28MB	6.3 x 6.3	0.8μH～22.0μH	102
	CY0630AT125/DS	6.8 x 7.5	0.22μH～33.0μH	18
3.2 mm	CDMPIH58D28	6.0 x 6.0	150μH～2200μH	51
3.4 mm	CDRR73	7.2 x 7.2	3.3μH～1000μH	81
3.5 mm	CD43/T125	ϕ4.8	1.0μH～68.0μH	40
4.0 mm	CDMC10D38/T150	10.3 x 11.1	0.47μH～10.0μH	23
	104CDMCD/DS	10.3 x 11.5	0.19μH～10.0μH	61
	104CDMCC/DS	10.3 x 11.5	0.15μH～68.0μH	61
	CDRH104R/T125	10.5 x 10.3	1.4μH～330μH	34
	CDRH104R	10.5 x 10.3	1.5μH～330μH	85
	CDMPIH10D38	10.7 x 10.3	1.5μH～100μH	53
	CDB38D38	4.0 x 4.0	0.065μH～0.10μH	95
	0640CDMCC/DS	6.8 x 7.3	0.56μH～22.0μH	59
	0640CDMCC/DS	6.8 x 7.4	0.15μH～0.36μH	59
	CDRH6D38/T125	7.0 x 7.0	3.0μH～100μH	32
	CDRH6D38	7.0 x 7.0	3.3μH～100μH	80
	0840CDMCC/DS	8.0 x 8.4	0.22μH～33.0μH	60
	CDRH8D38	8.3 x 8.3	1.8μH～100μH	83
4.1 mm	CY1040AT125/DS	10.3 x 11.5	0.22μH～68.0μH	18
4.5 mm	CDRH10D43R	10.8 x 10.5	1.2μH～100μH	86
	CDRH124	12.3 x 12.3	3.9μH～330μH	87
	CDRH50D43R	5.3 x 5.3	2.2μH～220μH	75
	CDRH60D43R	6.3 x 6.3	1.5μH～330μH	78
	CDMPIH75D43/T125	8.1 x 7.7	6.8μH～220μH	52
	CDRH8D43	8.3 x 8.3	0.68μH～100μH	83
	CDRH8D43R/T125	8.5 x 8.3	1.0μH～330μH	33
4.7 mm	CDRH8D43HP	8.3 x 8.3	1.2μH～68.0μH	84
4.8 mm	CDRR105	10.4 x 10.4	3.3μH～1500μH	34
	CDRH60D45B/T150	6.5 x 6.8	1.0μH～470μH	24
	CDRR7D45/T125	7.2 x 7.2	3.3μH～470μH	33
	CDRH70D45B/T150	7.3 x 7.7	0.8μH～680μH	25
	CDB87D48	12.0 x 9.0	0.15μH～0.23μH	98
4.85 mm	CD54/T125	ϕ6.1	10.0μH～220μH	41
5.0 mm	CDMC10D48/L150	10.3 x 11.1	0.43μH～47.0μH	21
	CDMPIH10D48B	10.7 x 10.3	3.6μH～1500μH	53
	CDMPIH10D48/T125	10.7 x 10.3	4.3μH～100μH	54
	CDB87D48	12.0 x 9.0	0.10μH～0.12μH	98
	125CDMCC/DS	12.9 x 13.8	0.36μH～47.0μH	62
	CDH50D48	5.9 x 5.15	100μH～4700μH	105
	CDB64D48	7.2 x 6.6	0.1μH～0.15μH	96
	CDH70D48	7.9 x 7.15	100μH～4700μH	105
	CDH80D48	8.9 x 8.15	100μH～4700μH	106
	CDC90D48	9.3 x 9.7	10.0mH～22.0mH	104
5.1 mm	CDRH105R	10.5 x 10.3	0.8μH～1000μH	86
5.5 mm	CDRH80D50	8.5 x 8.5	10.0μH～100μH	49
	CD75/T125	ϕ8.1	10.0μH～470μH	41
5.8 mm	CD105/T125	ϕ10.4	10.0μH～820μH	42

Height (Max.) 高さ	Type name 形名	Installation space (Max.) 面積 (mm)	INDUCTANCE インダクタンス	PAGE
6.0 mm	CDRH125/L125	12.3 x 12.3	1.2μH～1000μH	35
	CDRH125/LD	12.3 x 12.3	7.5μH～1000μH	88
	CY1260AT125/DS	12.9 x 14.0	0.33μH～150μH	19
	CDEP145	14.9 x 14.9	0.56μH～6.1μH	90
	CDRH8D58/LD	8.3 x 8.3	2.8μH～100μH	84
6.3 mm	CDB78D60	10.4 x 8.0	0.19μH	97
	CDR106/T150	11.0 x 11.0	0.47mH～10.0mH	27
	CDR76/T150	7.5 x 7.5	0.47mH～10.0mH	27
6.35 mm	CDRH10D60B/T150	10.0 x 10.3	0.8μH～470μH	26
6.6 mm	CDB80D62	22.2 x 8.2	0.23μH	98
	CDB48D64	5.2 x 5.0	0.05μH～0.10μH	95
6.8 mm	CDRR126	12.8 x 13.0	7.0μH～330μH	36
	CDRH80D65B/T150	8.2 x 8.6	1.0μH～1000μH	25
7.0 mm	CDB78D68	10.4 x 8.0	0.15μH～0.47μH	97
	CDRH10D68R/T125	10.6 x 10.6	1.5μH～1000μH	35
	177CDMCC/DS	17.15 x 17.45	0.47μH～47.0μH	62
	CY1770AT125/DS	17.3 x 18.0	1.0μH～47.0μH	19
	CDRH68D65	7.3 x 7.6	4.7μH～33.0μH	48
7.1 mm	CDRH10D68	10.5 x 10.5	2.2μH～470μH	87
7.3 mm	C2DEPI60D70	6.6 x 6.5	3.3μH	43
7.5 mm	CDB78D73B	10.0 x 8.0	0.12μH～0.27μH	97
7.6 mm	CDB76D74	10.4 x 7.9	0.15μH～0.215μH	97
7.85 mm	CDRR127	12.8 x 12.8	1.0μH～1000μH	37
8.0 mm	CDB78D78C	10.8 x 8.0	0.10μH～0.33μH	97
	CDB87D78	12.0 x 9.0	0.15μH	98
	CDRH127/L125	12.3 x 12.3	2.7μH～1000μH	36
	CDRH127B	12.3 x 12.3	4.7μH～470μH	39
	CDRH127/LD	12.3 x 12.3	1.0μH～1000μH	88
	CDRH12D78E/LD	12.5 x 12.5	1.0μH～1000μH	89
	CDB78D78	12.5 x 8.0	0.15μH～0.22μH	97
	CDRH12D77B/T150	12.8 x 13.1	1.0μH～470μH	26
	CDEP13D76/T150	14.0 x 14.0	0.8μH～22.0μH	28
	CDEP147	14.9 x 14.9	0.3μH～12.0μH	91
	CDB62D78	9.6 x 6.4	0.10μH～0.28μH	96
8.2 mm	CDRCH12D78BT150	12.5 x 12.5	4.7μH～470μH	38
8.5 mm	CDB78D83	11.1 x 8.0	0.1μH～0.25μH	97
9.4 mm	CDB80D92	12.8 x 8.3	0.12μH～0.3μH	98
9.5 mm	C2DEPIH80D90	8.5 x 8.5	3.3μH～22.0μH	43
10.0 mm	RPT109	10.5 x 10.5	0.56mH～2.0mH	106
	CDRH129	12.5 x 12.5	1.0μH～2200μH	89
	RPT129	12.5 x 12.5	0.22mH～2.0mH	107
	CDEP15D90/T150	16.0 x 16.0	0.5μH～22.0μH	29
	CDEPI99	9.5 x 10.5	5.0μH～22.0μH	44
10.2 mm	C2DEP1010	11.0 x 13.3	10.0μH～22.0μH	45
10.3 mm	C2DEPIH10D98	10.7 x 11.2	1.0μH～22.0μH	44
10.5 mm	CDEPI106	11.3 x 11.3	10.0μH～22.0μH	46
	C2DEPIH99	9.5 x 10.5	3.3μH～22.0μH	46
11.0 mm	CDB87D10	12.0 x 9.0	0.15μH～0.30μH	98
	CDPQ2010	24.4 x 21.0	2.7μH～18.0μH	93
11.2 mm	CDB87D10	12.0 x 9.0	0.10μH～0.12μH	98
11.5 mm	CDEPH6211	10.0 x 6.4	0.10μH～0.32μH	99
12.0 mm	CDEP1411	14.9 x 14.9	4.7μH～22.0μH	92
12.15 mm	CDEPH7212	10.7 x 7.5	0.13μH～0.47μH	99
14.5 mm	CDPQ2014/T150	23.5 x 21.4	1.0μH～3.3μH	30
16.0 mm	DEP1016	14.5 x 10.1	5.0μH～33.0μH	48
16.5 mm	CDPQ2717/T150	27.5 x 27.5	2.2μH～4.7μH	30
18.0 mm	CDPQ2417	26.5 x 27.5	2.2μH～15.0μH	94
18.5 mm	CDEPH9817	10.1 x 14.5	15.0μH	45
19.3 mm	DEP1519	18.0 x 15.5	10.0μH～33.0μH	47
	DEP1519B	18.0 x 15.5	10.0μH～33.0μH	47
20.0 mm	CDPQ2419	26.5 x 27.5	3.3μH～22.0μH	94

Power Inductor

Suitable range of inductance and rated D.C. current with max. installation space 面積・形名別仕様範囲表

SMD Type

Shielded Type 閉磁路タイプ

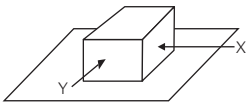
Installation space (Max.) 面積 (mm)		Type name 形名	Height (Max.) 高さ	INDUCTANCE インダクタンス	PAGE
1 mm level	1.8 x 1.2	0603CDWLF/DS	1.0	0.47μH～47.0μH	63
2 mm level	2.2 x 2.2	CD20D11MB	1.25	0.12μH～10.0μH	100
	2.2 x 2.7	252012CDMCD/DS	1.2	0.47μH～2.2μH	55
	2.4 x 1.73	0805CDWLF/DS	1.4	0.10μH～47.0μH	64
	2.8 x 3.1	CDRH26D09	1.0	1.2μH～10.0μH	65
	2.8 x 3.1	CDRH26D11	1.2	1.0μH～15.0μH	65
3 mm level	3.2 x 3.1	CDH30D11D/MB	1.2	1.0μH～15.0μH	101
	3.2 x 3.15	CDH30D11D	1.2	1.0μH～22.0μH	103
	3.2 x 3.15	CDH30D14D/SHP	1.5	0.68μH～10.0μH	103
	3.2 x 3.2	CDRH2D11B/HP	1.2	1.0μH～10.0μH	67
	3.2 x 3.2	CDH30D14/H125	1.5	1.0μH～10.0μH	40
	3.2 x 3.2	CDRH2D14	1.55	0.21μH～12.0μH	66
	3.2 x 3.2	CDRH2D16/LD	1.8	2.2μH～27.0μH	67
	3.2 x 3.2	CDRH2D18/HP	2.0	0.2μH～15.0μH	68
	3.2 x 3.2	CDRH2D18/LD	2.0	2.2μH～47.0μH	68
	3.2 x 3.2	CD30D18MB	2.0	2.2μH～10.0μH	100
	3.3 x 3.15	CDRH30D14R	1.5	1.0μH～10.0μH	66
	3.92 x 3.92	CDRH3D23	2.5	0.47μH～47.0μH	69
4 mm level	4.0 x 4.0	CDRH3D14	1.5	1.2μH～22.0μH	69
	4.0 x 4.0	CDRH3D18	2.0	1.0μH～47.0μH	70
	4.0 x 4.0	CDRH3D23/HP	2.5	1.2μH～47.0μH	70
	4.0 x 4.0	CDRH3D28	3.0	1.0μH～47.0μH	71
	4.0 x 4.0	CDB38D38	4.0	0.065μH～0.10μH	95
	4.1 x 3.95	CDH38D11D/LD	1.2	1.1μH～22.0μH	104
	4.2 x 4.2	CD40D16MB	1.8	0.15μH～15.0μH	101
	4.2 x 4.2	CDPH40D18	2.0	1.0μH～33.0μH	50
	4.2 x 4.2	CD40D26MB	2.8	0.2μH～33.0μH	102
	4.2 x 4.2	CDRH40D28	3.0	1.5μH～68.0μH	71
	4.3 x 4.3	CDMPIH40D18	2.2	10.0μH	50
	4.35 x 4.75	CDMC40D18/L150	2.0	0.1μH～4.7μH	20
	4.4 x 4.75	CY0420AT125/DS	2.0	0.22μH～10.0μH	17
	4.45 x 4.75	0410CDMCC/DS	1.0	0.1μH～10.0μH	56
	4.45 x 4.75	0412CDMCC/DS	1.2	0.1μH～4.7μH	56
	4.45 x 4.75	0415CDMCC/DS	1.5	0.22μH～6.8μH	56
	4.45 x 4.75	0420CDMCC/DS	2.0	0.1μH～22.0μH	56
	4.5 x 4.5	CDRH40D18/A	2.0	2.2μH～47.0μH	31
	4.5 x 4.5	CDRH40D28/T125	3.0	1.5μH～33.0μH	31
	4.8 x 4.8	CDRH4D14	1.5	1.2μH～68.0μH	72
	φ4.8	CD43/T125	3.5	1.0μH～68.0μH	40
5 mm level	5.0 x 5.0	CDRH4D22/HP	2.4	1.2μH～100μH	72
	5.1 x 5.1	CDPH49D19F	2.0	1.1μH～10.0μH	51
	5.1 x 5.1	CDRH4D28C/LD	3.0	1.0μH～100μH	73
	5.2 x 5.0	CDB48D64	6.6	0.05μH～0.10μH	95
	5.2 x 5.2	CDPH4D19F	2.0	3.3μH～47.0μH	73
	5.2 x 5.2	CDRH50D18R	2.0	1.0μH～100μH	74
	5.3 x 5.3	CDRH50D28R	3.0	1.2μH～47.0μH	74
	5.3 x 5.3	CDRH50D43R	4.5	2.2μH～220μH	75
	5.3 x 5.6	CDRH50D28B/T150	3.0	1.0μH～100μH	24
	5.4 x 5.7	0512CDMCC/DS	1.2	0.1μH～4.7μH	57
	5.4 x 5.7	0518CDMCC/DS	1.8	0.1μH～15.0μH	57
	5.4 x 5.7	0530CDMCC/DS	3.0	0.1μH～10.0μH	57
	5.45 x 5.95	CDMC50D28/L150	3.0	0.12μH～22.0μH	20
	5.45 x 5.95	CDMC50D28/T150	3.0	0.1μH～10.0μH	22
	5.5 x 5.8	CY0530AT125/DS	3.1	0.47μH～22.0μH	17
	5.8 x 5.8	CDRH5D16	1.8	0.9μH～100μH	75

	Installation space (Max.) 面積 (mm)	Type name 形名	Height (Max.) 高さ	INDUCTANCE インダクタンス	PAGE
5 mm level	5.9 x 5.15	CDH50D48	5.0	100μH～4700μH	105
6 mm level	6.0 x 6.0	CDRH58D14R	1.5	1.0μH～47.0μH	76
	6.0 x 6.0	CDRH58D18R	2.0	0.9μH～330μH	77
	6.0 x 6.0	CDRH5D28	3.0	2.5μH～100μH	76
	6.0 x 6.0	CDMPIH58D28	3.2	150μH～2200μH	51
	ϕ6.1	CD54/T125	4.85	10.0μH～220μH	41
	6.3 x 6.2	CDRH5D28R/HP	3.0	2.2μH～47.0μH	77
	6.3 x 6.3	CDRH60D28R	3.0	1.0μH～150μH	78
	6.3 x 6.3	CD60D28MB	3.0	33.0μH～120μH	102
	6.3 x 6.3	CD60D28MB	3.1	0.8μH～22.0μH	102
	6.3 x 6.3	CDRH60D43R	4.5	1.5μH～330μH	78
	6.5 x 6.2	CDRH5D28RB/H125	3.0	1.0μH～100μH	32
	6.5 x 6.8	CDRH60D45B/T150	4.8	1.0μH～470μH	24
	6.6 x 6.2	CDMPIH60D28	3.0	2.2μH～33.0μH	52
	6.6 x 6.5	C2DEPI60D70	7.3	3.3μH	43
	6.7 x 6.7	CDRH6D12	1.5	1.0μH～68.0μH	79
	6.8 x 7.3	CDMC60D28/T150	3.0	0.1μH～15.0μH	22
	6.8 x 7.3	0618CDMCC/DS	1.8	0.1μH～10.0μH	58
	6.8 x 7.3	0624CDMCC/DS	2.4	0.08μH～22.0μH	58
	6.8 x 7.3	0630CDMCC/DS	3.0	0.1μH～33.0μH	58
	6.8 x 7.3	0630CDMCD/DS	3.0	0.1μH～10.0μH	59
	6.8 x 7.3	0640CDMCC/DS	4.0	0.56μH～22.0μH	59
	6.8 x 7.3	CDMC60D28/L150	3.0	0.1μH～22.0μH	21
	6.8 x 7.4	0640CDMCC/DS	4.0	0.15μH～0.36μH	59
7 mm level	6.8 x 7.5	CY0630AT125/DS	3.1	0.22μH～33.0μH	18
	7.0 x 7.0	CDRH6D23/HP	2.5	1.2μH～100μH	79
	7.0 x 7.0	CDRH6D28	3.0	3.0μH～100μH	80
	7.0 x 7.0	CDRH6D38/T125	4.0	3.0μH～100μH	32
	7.0 x 7.0	CDRH6D38	4.0	3.3μH～100μH	80
	7.2 x 6.6	CDB64D48	5.0	0.1μH～0.15μH	96
	7.2 x 7.2	CDRR73	3.4	3.3μH～1000μH	81
	7.2 x 7.2	CDRR7D45/T125	4.8	3.3μH～470μH	33
	7.3 x 7.6	CDRH68D65	7.0	4.7μH～33.0μH	48
	7.3 x 7.7	CDRH70D45B/T150	4.8	0.8μH～680μH	25
	7.5 x 7.5	CDR76/T150	6.3	0.47mH～10.0mH	27
8 mm level	7.9 x 7.15	CDH70D48	5.0	100μH～4700μH	105
	8.0 x 7.7	CDRH7D16	1.8	1.2μH～100μH	81
	8.0 x 8.4	0830CDMCC/DS	3.0	0.22μH～33.0μH	60
	8.0 x 8.4	0840CDMCC/DS	4.0	0.22μH～33.0μH	60
	8.1 x 7.7	CDMPIH75D43/T125	4.5	6.8μH～220μH	52
	ϕ8.1	CD75/T125	5.5	10.0μH～470μH	41
	8.2 x 8.6	CDRH80D65B/T150	6.8	1.0μH～1000μH	25
	8.3 x 8.3	CDRH8D28	3.0	1.0μH～100μH	82
	8.3 x 8.3	CDRH8D28HP	3.0	3.3μH～68.0μH	82
	8.3 x 8.3	CDRH8D38	4.0	1.8μH～100μH	83
	8.3 x 8.3	CDRH8D43	4.5	0.68μH～100μH	83
	8.3 x 8.3	CDRH8D43HP	4.7	1.2μH～68.0μH	84
	8.3 x 8.3	CDRH8D58/LD	6.0	2.8μH～100μH	84
	8.5 x 8.3	CDRH8D43R/T125	4.5	1.0μH～330μH	33
	8.5 x 8.5	CDRH80D50	5.5	10.0μH～100μH	49
	8.5 x 8.5	C2DEPIH80D90	9.5	3.3μH～22.0μH	43
9 mm level	8.9 x 8.15	CDH80D48	5.0	100μH～4700μH	106
	9.3 x 9.7	CDC90D48	5.0	10.0mH～22.0mH	104
	9.5 x 10.5	CDEPI99	10.0	5.0μH～22.0μH	44
	9.5 x 10.5	C2DEPIH99	10.5	3.3μH～22.0μH	46
10 mm level	9.6 x 6.4	CDB62D78	8.0	0.10μH～0.28μH	96
	10.0 x 6.4	CDEPH6211	11.5	0.10μH～0.32μH	99
	10.0 x 8.0	CDB78D73B	7.5	0.12μH～0.27μH	97
	10.0 x 10.3	CDRH10D60B/T150	6.35	0.8μH～470μH	26
	10.1 x 14.5	CDEPH9817	18.5	15.0μH	45
	10.3 x 11.1	CDMC10D38/T150	4.0	0.47μH～10.0μH	23
	10.3 x 11.1	CDMC10D48/L150	5.0	0.43μH～47.0μH	21
	10.3 x 11.5	104CDMCD/DS	4.0	0.19μH～10.0μH	61
	10.3 x 11.5	104CDMCC/DS	4.0	0.15μH～68.0μH	61
	10.3 x 11.5	CY1040AT125/DS	4.1	0.22μH～68.0μH	18

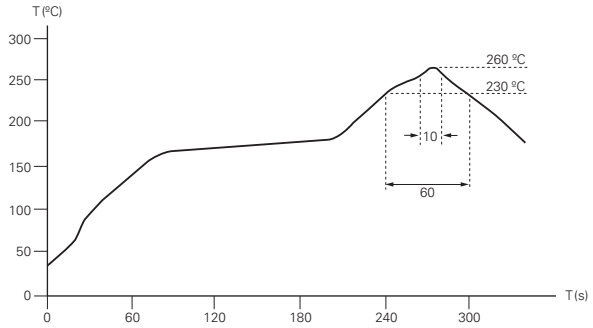
Installation space (Max.) 面積 (mm)		Type name 形名	Height (Max.) 高さ	INDUCTANCE インダクタンス	PAGE
10 mm level	10.4 x 10.4	CDRR105	4.8	3.3μH～1500μH	34
	10.4 x 7.9	CDB76D74	7.6	0.15μH～0.215μH	97
	10.4 x 8.0	CDB78D60	6.3	0.19μH	97
	10.4 x 8.0	CDB78D68	7.0	0.15μH～0.47μH	97
	φ10.4	CD105/T125	5.8	10.0μH～820μH	42
	10.5 x 10.3	CDRH103R	3.1	0.8μH～150μH	85
	10.5 x 10.3	CDRH104R/T125	4.0	1.4μH～330μH	34
	10.5 x 10.3	CDRH104R	4.0	1.5μH～330μH	85
	10.5 x 10.3	CDRH105R	5.1	0.8μH～1000μH	86
	10.5 x 10.5	CDRH10D68	7.1	2.2μH～470μH	87
	10.5 x 10.5	RPT109	10.0	0.56mH～2.0mH	106
	10.6 x 10.6	CDRH10D68R/T125	7.0	1.5μH～1000μH	35
	10.7 x 10.3	CDMPIH10D38	4.0	1.5μH～100μH	53
	10.7 x 10.3	CDMPIH10D48B	5.0	3.6μH～1500μH	53
	10.7 x 10.3	CDMPIH10D48/T125	5.0	4.3μH～100μH	54
	10.7 x 11.2	C2DEPIH10D98	10.3	1.0μH～22.0μH	44
	10.7 x 7.5	CDEPH7212	12.15	0.13μH～0.47μH	99
	10.8 x 10.5	CDRH10D43R	4.5	1.2μH～100μH	86
	10.8 x 8.0	CDB78D78C	8.0	0.10μH～0.33μH	97
11 mm level	11.0 x 11.0	CDR106/T150	6.3	0.47mH～10.0mH	27
	11.0 x 13.3	C2DEP1010	10.2	10.0μH～22.0μH	45
	11.1 x 8.0	CDB78D83	8.5	0.1μH～0.25μH	97
	11.3 x 11.3	CDEPI106	10.5	10.0μH～22.0μH	46
12 mm level	12.0 x 9.0	CDB87D48	4.8	0.15μH～0.23μH	98
	12.0 x 9.0	CDB87D48	5.0	0.10μH～0.12μH	98
	12.0 x 9.0	CDB87D78	8.0	0.15μH	98
	12.0 x 9.0	CDB87D10	11.0	0.15μH～0.30μH	98
	12.0 x 9.0	CDB87D10	11.2	0.10μH～0.12μH	98
	12.3 x 12.3	CDRH124	4.5	3.9μH～330μH	87
	12.3 x 12.3	CDRH125/L125	6.0	1.2μH～1000μH	35
	12.3 x 12.3	CDRH125/LD	6.0	7.5μH～1000μH	88
	12.3 x 12.3	CDRH127/L125	8.0	2.7μH～1000μH	36
	12.3 x 12.3	CDRH127B	8.0	4.7μH～470μH	39
	12.3 x 12.3	CDRH127/LD	8.0	1.0μH～1000μH	88
	12.5 x 12.5	CDRH12D78E/LD	8.0	1.0μH～1000μH	89
	12.5 x 12.5	CDRCH12D78BT150	8.2	4.7μH～470μH	38
	12.5 x 12.5	CDRH129	10.0	1.0μH～2200μH	89
	12.5 x 12.5	RPT129	10.0	0.22mH～2.0mH	107
	12.5 x 8.0	CDB78D78	8.0	0.15μH～0.22μH	97
	12.8 x 12.8	CDRR127	7.85	1.0μH～1000μH	37
	12.8 x 13.0	CDRR126	6.8	7.0μH～330μH	36
	12.8 x 13.1	CDRH12D77B/T150	8.0	1.0μH～470μH	26
	12.8 x 8.3	CDB80D92	9.4	0.12μH～0.3μH	98
	12.9 x 13.8	125CDMCC/DS	5.0	0.36μH～47.0μH	62
	12.9 x 14.0	CY1260AT125/DS	6.0	0.33μH～150μH	19
14 mm level	14.0 x 14.0	CDEP13D76/T150	8.0	0.8μH～22.0μH	28
	14.5 x 10.1	DEP1016	16.0	5.0μH～33.0μH	48
	14.9 x 14.9	CDEP145	6.0	0.56μH～6.1μH	90
	14.9 x 14.9	CDEP147	8.0	0.3μH～12.0μH	91
	14.9 x 14.9	CDEP1411	12.0	4.7μH～22.0μH	92
16 mm level	16.0 x 16.0	CDEP15D90/T150	10.0	0.5μH～22.0μH	29
17 mm level	17.15 x 17.45	177CDMCC/DS	7.0	0.47μH～47.0μH	62
	17.3 x 18.0	CY1770AT125/DS	7.0	1.0μH～47.0μH	19
18 mm level	18.0 x 15.5	DEP1519	19.3	10.0μH～33.0μH	47
	18.0 x 15.5	DEP1519B	19.3	10.0μH～33.0μH	47
22 mm level	22.2 x 8.2	CDB80D62	6.6	0.23μH	98
23 mm level	23.5 x 21.4	CDPQ2014/T150	14.5	1.0μH～3.3μH	30
24 mm level	24.4 x 21.0	CDPQ2010	11.0	2.7μH～18.0μH	93
26 mm level	26.5 x 27.5	CDPQ2417	18.0	2.2μH～15.0μH	94
	26.5 x 27.5	CDPQ2419	20.0	3.3μH～22.0μH	94
27 mm level	27.5 x 27.5	CDPQ2717/T150	16.5	2.2μH～4.7μH	30

SMD Type

General Characteristics
機構・環境特性

External Appearance 外観	On visual inspection, the coil has no external defects. 目視にて検査した時、外観を著しく害するものがないこと。
Terminal Strength 電極強度	No electrode detachment should be found when the device is pushed in two directions of X and Y with the force of 5N for 10 seconds after soldering between copper plate and the electrodes. (Refer to figure at right) コイルの電極を銅板にはんだ付けし、X,Yの各方向より、それぞれ5.0Nの静荷重を10秒間加えたとき、電極の剥離がないこと。（右図参照） 
Insulating Resistance 絶縁抵抗	Over 100MΩ at 100V D.C. between coil and core.(Except for CDEP series and CDMC series) コイルー磁芯間にてD.C.100Vで100MΩ以上のこと。(CDEPシリーズ、CDMCシリーズ等除く)
Dielectric Strength 耐電圧	No dielectric breakdown at 100V D.C. for 1 minute between coil and core. (Except for CDEP series and CDMC series) コイルー磁芯間にD.C.100Vを1分間印加した時、絶縁破壊のない事。(CDEPシリーズ、CDMCシリーズ等除く)
Temperature Characteristics 温度特性	Inductance coefficient / インダクタンス温度係数 (0~2,000) x 10^{-6} / °C
Humidity Characteristics 耐湿特性	Inductance deviation within ±5~10%, after 96 hours in 90~95% relative humidity at 40±2 °C and 1 hour drying under normal condition. 温度40±2℃、湿度90～95%に96時間保った後取り出し乾布にて水滴をふき取り、常温常湿中に1時間放置後、インダクタンスの初期値に対する変化率は±5～10%以内の事。
Vibration Resistance 耐振特性	Inductance deviation within ±3~5% after vibration for 1 hour. In each of three orientations at sweep vibration (10~55~10Hz) with 1.5mm P-P amplitudes. 振動周波数10～55～10Hz、全振幅1.5mmの振動を1分間で繰り返すスイープ振動を前後、左右、上下の3方向より各1時間加えた後取り出しインダクタンスの初期値に対する変化率は±3～5%以内の事。
Shock Resistance 耐衝撃特性	Inductance deviation within ±3~10% after being dropped once with 981m/s² (100G) shock attitude upon a rubber block method shock testing machine, in three different orientations. ゴムブロック式落下衝撃試験機により、互いに垂直なる3方向に各1回、衝撃加速度981m/s²（100G）で落下させた後、インダクタンスの初期値に対する変化率は±3～10%以内の事。

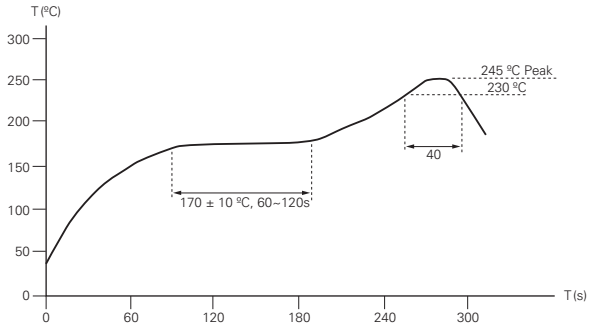
Lead-free heat endurance test
無鉛リフロー耐熱試験条件



☐ The test should be made under the conditions according to the chart, after the test it is kept for 2 hours under the normal temperature and humidity. Then, no mechanical and electrical defect should be found out.
☐ The reflow test can be done twice, but the interval should be more than one hour under the normal conditions.
☐ The reflow test conditions are based on the testing instruments available in Sumida.

☐ 上記の様なチャートの試験をし、常温常湿中に2時間放置後測定し、電気的、機構的異常のないこと。
☐ 2回リフロー可とする。(但し、1回目と2回目の間隔は常温常湿中に1時間以上放置後とする。)
☐ リフロー耐熱試験条件は、弊社に於て使用しております装置によるものです。

Lead-free the recommended reflow condition (temperature chart)
無鉛リフロー推奨条件（温度チャート）



☐ The reflow condition recommended above is according to the machine used by our company. Big differences will arise as a result of the type of machine, reflow conditions, method, etc used. Hence, before setting up your reflow conditions, please confirm with the above.

☐ 上記推奨リフロー条件は、弊社に於いて使用しておりますリフロー装置によるものです。つきましては、はんだ付け性は装置の種類、リフローの条件、方法等により大きく異なる場合がありますので、リフロー条件の設定に於きましては、十分な確認の上設定願います。

Power Inductor

Suitable range of inductance and rated D.C. current

形名別仕様範囲表

PIN Type

Type name 形名	Dimension(MAX) 寸法(mm)	INDUCTANCE インダクタンス	PAGE
RCH4764B	φ5.0, H6.5	1.5μH～1.0mH	111
RCH-664	φ6.5, H6.5	1.0μH～1.0mH	112
RCH-855	φ8.3, H5.5	2.5μH～10.0mH	112
RCH-875	φ8.3, H7.5	2.2μH～10.0mH	113
RCH-895	φ8.3, H9.5	2.5μH～47.0mH	114
RCH8010	φ8.3, H10.0	10.0μH～4.7mH	114
RCH8011	φ8.3, H10.8	10.0μH～1.0mH	115
RCR-875D	φ8.3, H7.5	1.2μH～10.0mH	108
RCH-106	φ10.5, H6.5	1.0μH～1.0mH	115
RCH-108	φ10.5, H8.5	2.2μH～1.0mH	116
RCR1010	φ10.5, H10.5	10.0μH～1.0mH	108
RCH-110	φ10.5, H10.5	10.0μH～1.0mH	116
RCH114	φ10.5, H14.4	6.3μH～39.0mH	117
RCH1216B	φ12.5, H16.0	10.0μH～2.2mH	117
RCP1317	φ13.5, H17.5	33.0μH～4.7mH	109
RP1315B	φ13.0, H15.0	10.0μH～1.0mH	109
RCR1616	φ16.5, H16.5	4.7μH～1.0mH	110

General Characteristics
機構・環境特性

External Appearance 外観	On visual inspection, the coil has no external defects. 目視にて検査した時、外観を著しく害するものがないこと。
Terminal Strength 端子強度	Without damage, such as wire breaking or detachment of pin terminals, pulling the terminals with 10N for 60 seconds(Except for RCH-654 and RCH-664) 各端子に引張力10Nの静荷重を60秒加えた時、端子の脱落断線等異常のない事。(RCH-654、RCH-664除く) Tensile static loads（静荷重） 5.0N RCH-654, RCH-664
Insulating Resistance 絶縁抵抗	Over 100MΩ at 100V D.C. between coil and core. コイル－磁芯間にてD.C.100Vで100MΩ以上のこと。
Dielectric Strength 耐電圧	No dielectric breakdown at 100V D.C. for 1 minute between coil and core. コイル－磁芯間にD.C.100Vを1分間印加した時、絶縁破壊のない事。
Humidity Characteristics 耐湿特性	Inductance deviation within ±1~5%, after 96 hours in 90~95% relative humidity at 40±2 °C and 1 hour drying under normal condition. 温度40±2℃、湿度90～95%に96時間保った後取り出し乾布にて水滴をふき取り、常温常湿中に1時間放置後、インダクタンスの初期値に対する変化率は±1～5%以内の事。
Vibration Resistance 耐振特性	Inductance deviation within ±1~3% after vibration for 1 hour. In each of three orientations at sweep vibration (10~55~10Hz) with 1.5mm P-P amplitudes. 振動周波数10～55～10Hz、全振幅1.5mmの振動を1分間で繰り返すスイープ振動を前後、左右、上下の3方向より各1時間加えた後取り出しインダクタンスの初期値に対する変化率は±1～3%以内の事。
Shock Resistance 耐衝撃特性	Inductance deviation within ±1~3% after being dropped once with 981m/s² (100G) shock attitude upon a rubber block method shock testing machine, in three different orientations. ゴムブロック式落下衝撃試験機により、互いに垂直なる3方向に各1回、衝撃加速度981m/s²（100G）で落下させた後、 インダクタンスの初期値に対する変化率は±1～3%以内の事。

Definition of product name

品名の表し方

Example: 品名例 CDRH6D38T125NP-4R7NC

CDRH	6D	38	T	125	NP	-	4R7	N	C
①	②	③	④	⑤	⑥		⑦	⑧	⑨

① **Type name**	形名
② **Dimensions**	外形サイズ
③ **Height (H)**	高さ寸法
④ **Characteristic** **L(D)** **H(P)** **None or T**	特性仕様 Low D.C.R. Type　低D.C.R.タイプ High Saturation Current Type　高飽和電流タイプ Standard Type　標準タイプ
⑤ **Operation Temperature** **None** **125** **150**	使用温度 Standard Type　標準品 The upper limit of operation temperature is +125°C (Including coils self temperature rise) 使用温度上限 +125℃(コイル発熱含む) The upper limit of operation temperature is +150°C (Including coils self temperature rise) 使用温度上限 +150℃(コイル発熱含む)
⑥ **Feature** **Lead-free** **Halogen-free**	分類 NP　鉛フリー HF　ハロゲンフリー
⑦ **Inductance**	インダクタンス値 1R0　1.0uH 100　10uH 101　100uH
⑧ **Tolerance of inductance**	インダクタンス公差 K　±10% L　±15% M　±20% P　±25% N　±30%
⑨ **Packing**	梱包仕様 C　キャリアテープ　Carrier tape B　ボックス　Box

SMD Shielded Type

Metal inductor CY****T125/DS Series (車載向け高温メタルインダクタ)

Low-profile/High current/High temperature resistance (up to 125℃)

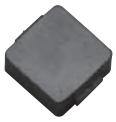
Recommended application : Automotive

OUTLINE / 概要

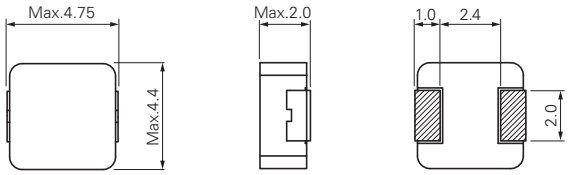
Metal composite type (low D.C.R., balanced Isat & Irms current). Withstand voltage : 50V
Complied with automotive reliability test standard AEC-Q200
Suitable for DC/DC converter on ECU and LED head light, the other high reliability
メタルコンポジットタイプ(低D.C.R.、直流重畳電流と温度上昇電流のバランスを重視。) 耐圧 : 50V
車載信頼性基準 AEC-Q200準拠
ECUやLEDヘッドランプ等、高信頼性が要求されるDC/DCコンバータに最適です。

CY0420AT125/DS

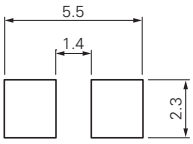
NEW



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



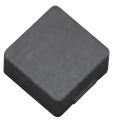
WIRE
線種

Operating Temperature Range
使用温度範囲:−40℃～+125℃

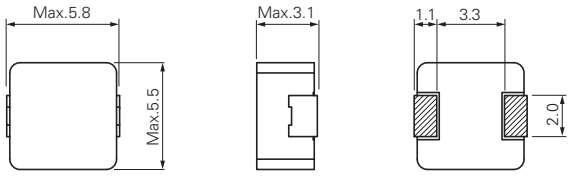
Part No.	L (μH)	CY0420AT125/DS		
		D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max. (Typ.) at 25°C	Irms (A)*B Max. (Typ.)
CY0420AT125DS-R22MC	0.22±20%	6.90(6.00)	18.4(23.0)	8.00(9.00)
CY0420AT125DS-R47MC	0.47±20%	13.5(11.5)	10.2(12.8)	6.40(7.00)
CY0420AT125DS-R56MC	0.56±20%	14.0(12.0)	8.60(10.8)	6.00(6.50)
CY0420AT125DS-R68MC	0.68±20%	17.0(14.5)	8.00(10.0)	5.60(6.30)
CY0420AT125DS-R82MC	0.82±20%	23.0(20.0)	7.20(9.00)	4.40(5.00)
CY0420AT125DS-1R0MC	1.0±20%	26.0(22.5)	6.20(7.80)	4.20(4.80)
CY0420AT125DS-1R2MC	1.2±20%	31.0(27.0)	6.10(7.70)	4.10(4.50)
CY0420AT125DS-2R2MC	2.2±20%	53.0(46.0)	5.50(6.90)	3.20(3.60)
CY0420AT125DS-3R3MC	3.3±20%	85.0(74.0)	4.40(5.60)	2.20(2.50)
CY0420AT125DS-4R7MC	4.7±20%	115(100)	3.80(4.80)	2.00(2.20)
CY0420AT125DS-6R8MC	6.8±20%	152(132)	2.80(3.50)	1.70(2.00)
CY0420AT125DS-8R2MC	8.2±20%	178(155)	2.30(2.90)	1.60(1.80)
CY0420AT125DS-100MC	10.0±20%	190(165)	2.00(2.50)	1.50(1.70)

CY0530AT125/DS

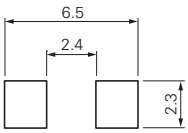
NEW



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CY0530AT125/DS		
		D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max. (Typ.) at 25°C	Irms (A)*B Max. (Typ.)
CY0530AT125DS-R47MCY	0.47±20%	7.50(6.50)	12.0(15.0)	9.50(10.8)
CY0530AT125DS-R68MCY	0.68±20%	9.00(7.80)	10.8(13.5)	8.20(9.50)
CY0530AT125DS-1R0MCY	1.0±20%	14.0(12.0)	8.30(10.4)	7.20(8.00)
CY0530AT125DS-1R5MCY	1.5±20%	15.0(13.0)	7.80(9.80)	6.40(7.10)
CY0530AT125DS-2R2MCY	2.2±20%	17.3(15.0)	6.70(8.40)	6.00(6.80)
CY0530AT125DS-3R3MCY	3.3±20%	31.0(27.0)	5.60(7.00)	4.50(5.20)
CY0530AT125DS-4R7MCY	4.7±20%	40.3(35.0)	4.30(5.40)	4.30(4.90)
CY0530AT125DS-6R8MCY	6.8±20%	63.3(55.0)	4.10(5.20)	3.40(3.80)
CY0530AT125DS-100MCY	10.0±20%	98.0(85.0)	3.50(4.40)	2.80(3.20)
CY0530AT125DS-150MCY	15.0±20%	168(145)	2.40(3.00)	1.90(2.20)
CY0530AT125DS-220MCY	22.0±20%	270(235)	2.00(2.50)	1.60(1.80)

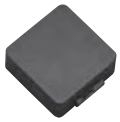
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=25°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から30%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=25℃)

Weight (Ref.) / 重量(参考値)
CY0420AT125/DS 0.18g
CY0530AT125/DS 0.42g

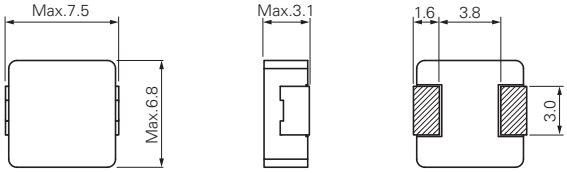
Packing Quantity / 梱包数量
CY0420AT125/DS 3,000pcs/reel
CY0530AT125/DS 2,000pcs/reel

CY0630AT125/DS

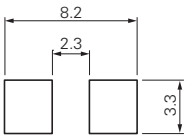
NEW



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

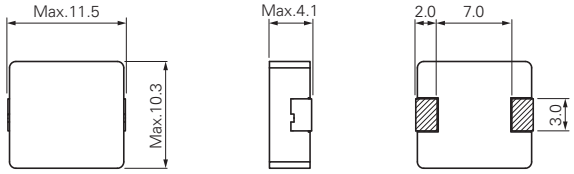
Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CY0630AT125/DS		
		D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max. (Typ.) at 25°C	Irms (A)*B Max. (Typ.)
CY0630AT125DS-R22MC	0.22±20%	2.90(2.50)	25.6(32.0)	18.2(20.9)
CY0630AT125DS-R33MC	0.33±20%	3.20(2.80)	25.0(31.6)	17.2(19.9)
CY0630AT125DS-R47MC	0.47±20%	4.40(3.80)	18.9(23.7)	14.4(16.4)
CY0630AT125DS-R68MC	0.68±20%	5.40(4.70)	15.6(19.6)	13.2(15.1)
CY0630AT125DS-R82MC	0.82±20%	6.30(5.50)	12.9(16.2)	12.0(14.0)
CY0630AT125DS-1R0MC	1.0±20%	8.10(7.00)	12.6(15.8)	10.5(12.0)
CY0630AT125DS-1R5MC	1.5±20%	12.2(10.6)	11.8(14.8)	8.50(9.60)
CY0630AT125DS-2R2MC	2.2±20%	17.3(15.0)	9.60(12.0)	7.00(8.00)
CY0630AT125DS-3R3MC	3.3±20%	26.0(22.6)	8.40(10.6)	5.90(6.70)
CY0630AT125DS-4R7MC	4.7±20%	38.3(33.3)	6.50(8.40)	4.80(5.40)
CY0630AT125DS-6R8MC	6.8±20%	54.1(47.0)	6.20(7.80)	3.40(3.90)
CY0630AT125DS-8R2MC	8.2±20%	58.1(50.5)	5.20(6.50)	3.20(3.70)
CY0630AT125DS-100MC	10.0±20%	68.0(59.0)	5.00(6.20)	3.00(3.50)
CY0630AT125DS-150MC	15.0±20%	112(97.0)	4.20(5.30)	2.30(2.60)
CY0630AT125DS-220MC	22.0±20%	161(140)	3.20(4.10)	2.10(2.40)
CY0630AT125DS-330MC	33.0±20%	253(220)	2.50(3.30)	1.70(2.00)

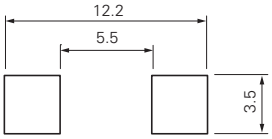
CY1040AT125/DS

NEW

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CY1040AT125/DS		
		D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max. (Typ.) at 25°C	Irms (A)*B Max. (Typ.)
CY1040AT125DS-R22MC	0.22±20%	1.00(0.90)	62.8(78.5)	35.0(39.8)
CY1040AT125DS-R47MC	0.47±20%	1.60(1.40)	38.0(47.5)	33.0(37.5)
CY1040AT125DS-1R0MC	1.0±20%	3.10(2.70)	29.4(36.8)	19.0(21.5)
CY1040AT125DS-1R5MC	1.5±20%	4.60(4.00)	19.4(24.2)	16.7(19.0)
CY1040AT125DS-2R2MC	2.2±20%	7.50(6.50)	16.4(20.5)	12.6(14.2)
CY1040AT125DS-3R3MC	3.3±20%	12.2(10.6)	15.7(19.6)	10.0(11.4)
CY1040AT125DS-4R7MC	4.7±20%	15.0(13.0)	12.0(15.0)	9.20(10.5)
CY1040AT125DS-6R8MC	6.8±20%	22.5(19.6)	10.5(13.1)	7.40(8.40)
CY1040AT125DS-100MC	10.0±20%	30.0(26.0)	7.10(8.90)	6.50(7.60)
CY1040AT125DS-150MC	15.0±20%	42.4(36.8)	6.80(8.50)	5.50(6.30)
CY1040AT125DS-220MC	22.0±20%	67.3(58.5)	4.80(6.00)	4.60(5.20)
CY1040AT125DS-330MC	33.0±20%	96.1(83.6)	4.50(5.70)	3.60(4.10)
CY1040AT125DS-470MC	47.0±20%	154(134)	4.00(5.00)	2.80(3.10)
CY1040AT125DS-680MC	68.0±20%	192(167)	3.20(4.00)	2.20(2.80)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=25°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から30%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=25℃)

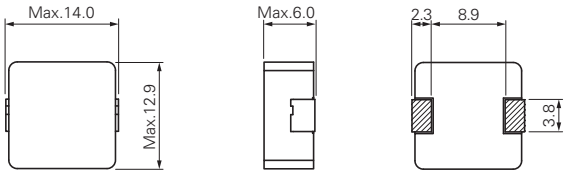
Weight (Ref.) / 重量(参考値)
CY0630AT125/DS 0.75g
CY1040AT125/DS 2.40g

Packing Quantity / 梱包数量
CY0630AT125/DS 1,500pcs/reel
CY1040AT125/DS 800pcs/reel

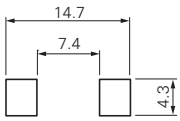
CY1260AT125/DS

NEW

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



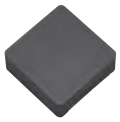
WIRE
線種

Operating Temperature Range
使用温度範囲:−40℃～+125℃

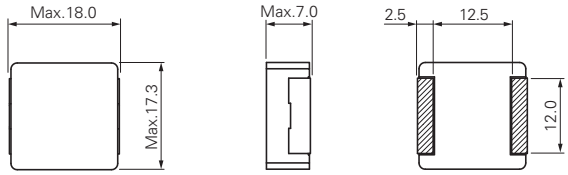
Part No.	L (μH)	CY1260AT125/DS		
		D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max. (Typ.) at 25°C	Irms (A)*B Max. (Typ.)
CY1260AT125DS-R33MC	0.33±20%	1.10(0.90)	60.0(75.0)	38.0(43.0)
CY1260AT125DS-R47MC	0.47±20%	1.20(1.00)	55.0(67.0)	37.0(42.0)
CY1260AT125DS-R68MC	0.68±20%	1.80(1.60)	46.0(58.5)	29.0(33.0)
CY1260AT125DS-1R0MC	1.0±20%	2.30(2.00)	37.1(46.4)	25.0(28.3)
CY1260AT125DS-1R5MC	1.5±20%	3.00(2.60)	28.0(35.0)	19.6(22.2)
CY1260AT125DS-2R2MC	2.2±20%	4.80(4.20)	25.6(32.0)	16.0(18.2)
CY1260AT125DS-3R3MC	3.3±20%	7.10(6.20)	24.0(30.0)	13.5(16.0)
CY1260AT125DS-4R7MC	4.7±20%	9.90(8.60)	16.8(21.0)	11.0(12.5)
CY1260AT125DS-6R8MC	6.8±20%	13.2(11.5)	16.0(20.0)	9.50(11.0)
CY1260AT125DS-8R2MC	8.2±20%	17.5(15.2)	11.2(14.0)	8.70(9.80)
CY1260AT125DS-100MC	10.0±20%	20.7(18.0)	10.8(13.5)	7.50(8.60)
CY1260AT125DS-120MC	12.0±20%	23.0(20.0)	9.00(11.3)	6.50(7.50)
CY1260AT125DS-150MC	15.0±20%	29.0(25.0)	8.80(11.0)	6.00(6.60)
CY1260AT125DS-180MC	18.0±20%	30.2(26.2)	8.50(10.6)	5.80(6.40)
CY1260AT125DS-220MC	22.0±20%	39.5(34.0)	8.00(10.0)	5.00(6.00)
CY1260AT125DS-270MC	27.0±20%	56.3(49.0)	7.20(9.00)	4.20(4.70)
CY1260AT125DS-330MC	33.0±20%	63.3(55.0)	6.80(8.50)	4.00(4.60)
CY1260AT125DS-470MC	47.0±20%	92.0(80.0)	5.50(6.80)	3.20(3.60)
CY1260AT125DS-680MC	68.0±20%	127(110)	4.30(5.40)	2.90(3.30)
CY1260AT125DS-820MC	82.0±20%	138(120)	3.60(4.50)	2.80(3.20)
CY1260AT125DS-101MC	100±20%	190(165)	3.50(4.40)	2.40(2.70)
CY1260AT125DS-151MC	150±20%	316(275)	2.80(3.50)	2.00(2.50)

CY1770AT125/DS

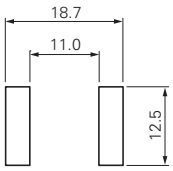
NEW



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CY1770AT125/DS		
		D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max. (Typ.) at 25°C	Irms (A)*B Max. (Typ.)
CY1770AT125DS-1R0MC	1.0±20%	1.55(1.35)	43.0(54.0)	35.0(40.0)
CY1770AT125DS-1R5MC	1.5±20%	2.00(1.70)	38.5(48.0)	33.0(37.5)
CY1770AT125DS-2R2MC	2.2±20%	2.65(2.30)	31.0(39.0)	30.0(34.0)
CY1770AT125DS-3R3MC	3.3±20%	3.60(3.10)	30.5(38.0)	23.0(26.0)
CY1770AT125DS-4R7MC	4.7±20%	4.95(4.30)	24.5(30.5)	21.0(24.0)
CY1770AT125DS-5R6MC	5.6±20%	5.12(4.45)	23.5(29.4)	20.0(23.0)
CY1770AT125DS-6R8MC	6.8±20%	7.55(6.55)	22.5(28.0)	18.0(20.0)
CY1770AT125DS-8R2MC	8.2±20%	9.50(8.20)	16.8(21.0)	12.0(13.5)
CY1770AT125DS-100MC	10.0±20%	10.5(9.00)	15.0(19.0)	10.5(12.0)
CY1770AT125DS-150MC	15.0±20%	14.5(12.5)	14.5(18.5)	10.0(11.5)
CY1770AT125DS-220MC	22.0±20%	21.0(18.0)	12.5(15.5)	8.00(9.20)
CY1770AT125DS-330MC	33.0±20%	37.0(32.0)	9.50(12.0)	6.70(7.50)
CY1770AT125DS-470MC	47.0±20%	47.0(41.0)	7.00(8.80)	5.60(6.30)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=25°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=25℃)

Weight (Ref.) / 重量(参考値)

CY1260AT125/DS 5.50g
CY1770AT125/DS 11.0g

Packing Quantity / 梱包数量

CY1260AT125/DS 500pcs/reel
CY1770AT125/DS 250pcs/reel

SMD Shielded Type

Metal inductor CDMC**D**/L150 Series（車載向け高温メタルインダクタ）
Low-profile/High current/High temperature resistance (up to 150℃)
Recommended application : Automotive

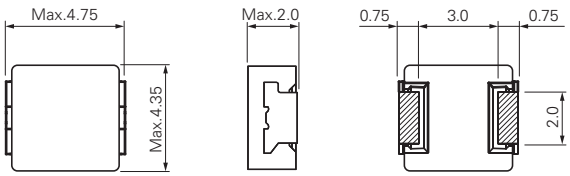
OUTLINE / 概要

Metal composite type (low D.C.R., balanced Isat & Irms current). Withstand voltage : 40D & 50D (50V); 60D & 10D (75V).
Complied with automotive reliability test standard AEC-Q200
Suitable for choke coils and normal mode filters for automotive DC/DC converters that require high temperature (up to 150°C) and high reliability.
メタルコンポジットタイプ(低D.C.R.、直流重畳電流と温度上昇電流のバランスを重視。) 耐圧 : 40D & 50D (50V); 60D & 10D (75V)。
車載信頼性基準 AEC-Q200準拠
高温(～150℃)、高信頼性が要求される車載DC/DCコンバータ用チョークコイル、ノーマルモードフィルタに最適です。

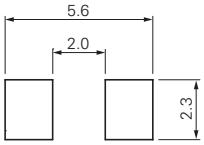
CDMC40D18/L150

PROVISIONAL

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

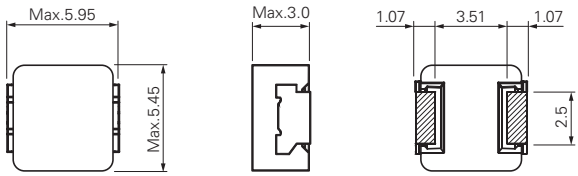
Operating Temperature Range
使用温度範囲:−55℃～+150℃

Part No.	L (μH)	CDMC40D18/L150 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A (Typ.) at 20°C	Irms (A)*B (Typ.)
CDMC40D18L150NP-R10MC	0.10±20%	4.02(3.65)	(24.8)	(16.5)
CDMC40D18L150NP-R24MC	0.24±20%	6.82(6.20)	(14.5)	(12.3)
CDMC40D18L150NP-R33MC	0.33±20%	9.57(8.70)	(13.2)	(10.2)
CDMC40D18L150NP-R47MC	0.47±20%	13.3(12.1)	(11.2)	(9.10)
CDMC40D18L150NP-R68MC	0.68±20%	16.3(14.8)	(9.80)	(8.00)
CDMC40D18L150NP-1R0MC	1.0±20%	24.5(22.3)	(8.50)	(6.80)
CDMC40D18L150NP-1R5MC	1.5±20%	45.5(41.4)	(6.20)	(4.70)
CDMC40D18L150NP-2R2MC	2.2±20%	66.8(60.7)	(5.40)	(3.90)
CDMC40D18L150NP-3R3MC	3.3±20%	92.6(84.2)	(3.70)	(3.10)
CDMC40D18L150NP-4R7MC	4.7±20%	123(112)	(3.40)	(2.50)

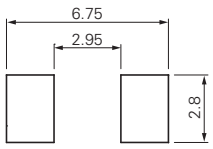
CDMC50D28/L150

PROVISIONAL

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

Operating Temperature Range
使用温度範囲:−55℃～+150℃

Part No.	L (μH)	CDMC50D28/L150 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A (Typ.) at 20°C	Irms (A)*B (Typ.)
CDMC50D28L150NP-R12MC	0.12±20%	3.16(2.75)	(29.3)	(21.0)
CDMC50D28L150NP-R22MC	0.22±20%	4.18(3.80)	(19.7)	(16.8)
CDMC50D28L150NP-R33MC	0.33±20%	5.61(5.10)	(16.2)	(15.0)
CDMC50D28L150NP-R47MC	0.47±20%	6.82(6.20)	(13.2)	(13.4)
CDMC50D28L150NP-R68MC	0.68±20%	9.46(8.60)	(11.8)	(10.6)
CDMC50D28L150NP-1R0MC	1.0±20%	13.5(12.3)	(9.00)	(8.90)
CDMC50D28L150NP-2R2MC	2.2±20%	28.7(26.1)	(6.60)	(6.10)
CDMC50D28L150NP-3R3MC	3.3±20%	48.2(43.8)	(7.00)	(4.60)
CDMC50D28L150NP-4R7MC	4.7±20%	65.8(59.8)	(5.70)	(3.90)
CDMC50D28L150NP-6R8MC	6.8±20%	96.8(88.0)	(3.50)	(3.10)
CDMC50D28L150NP-100MC	10.0±20%	140(127)	(3.40)	(2.40)
CDMC50D28L150NP-220MC	22.0±20%	340(309)	(2.10)	(1.60)

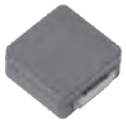
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 20%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から20%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDMC40D18/L150 0.2g
CDMC50D28/L150 0.46g

Packing Quantity / 梱包数量
CDMC40D18/L150 3,000pcs/reel
CDMC50D28/L150 2,000pcs/reel

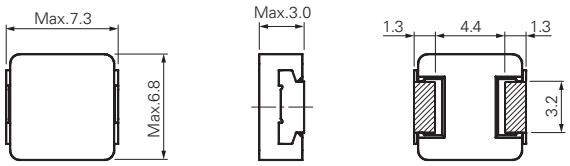
About CDMC40D18/L150, CDMC50D28/L150 / CDMC40D18/L150, CDMC50D28/L150 について
This specification is subject to change due to ongoing dvelopment when this catalog was printed.
本仕様は開発中につき、製品の改善等により記載内容を予告なく変更することがありますので、ご了承下さい。

CDMC60D28/L150

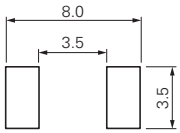


PROVISIONAL

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



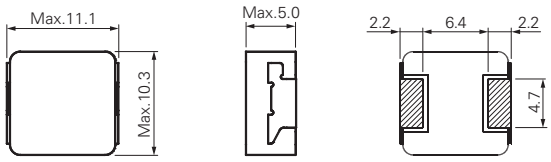
WIRE
線種

Operating Temperature Range
使用温度範囲:−55℃～+150℃

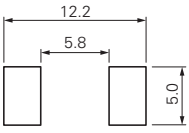
Part No.	L (μH)	CDMC60D28/L150 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A (Typ.) at 20°C	Irms (A)*B (Typ.)
CDMC60D28L150NP-R10MC	0.10±20%	1.87(1.63)	(40.7)	(28.5)
CDMC60D28L150NP-R22MC	0.22±20%	2.76(2.40)	(27.4)	(22.9)
CDMC60D28L150NP-R33MC	0.33±20%	3.45(3.00)	(20.8)	(21.8)
CDMC60D28L150NP-R43MC	0.43±20%	4.40(4.00)	(16.6)	(18.5)
CDMC60D28L150NP-R62MC	0.62±20%	6.16(5.60)	(14.0)	(16.1)
CDMC60D28L150NP-1R0MC	1.0±20%	8.80(8.00)	(12.5)	(12.8)
CDMC60D28L150NP-2R2MC	2.2±20%	18.7(17.0)	(10.5)	(8.40)
CDMC60D28L150NP-3R3MC	3.3±20%	29.3(26.6)	(8.60)	(6.50)
CDMC60D28L150NP-4R7MC	4.7±20%	40.8(37.1)	(6.20)	(5.40)
CDMC60D28L150NP-6R8MC	6.8±20%	57.6(52.4)	(4.90)	(4.50)
CDMC60D28L150NP-100MC	10.0±20%	84.3(76.6)	(4.30)	(3.60)
CDMC60D28L150NP-150MC	15.0±20%	137(124)	(3.20)	(2.80)
CDMC60D28L150NP-220MC	22.0±20%	193(175)	(3.40)	(2.40)

CDMC10D48/L150

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

Operating Temperature Range
使用温度範囲:−55℃～+150℃

Part No.	L (μH)	CDMC10D48/L150 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A (Typ.) at 20°C	Irms (A)*B (Typ.)
CDMC10D48L150NP-R43MC	0.43±20%	1.99(1.73)	(44.3)	(33.5)
CDMC10D48L150NP-R68MC	0.68±20%	2.97(2.58)	(32.3)	(25.7)
CDMC10D48L150NP-1R0MC	1.0±20%	3.80(3.30)	(27.2)	(22.0)
CDMC10D48L150NP-2R2MC	2.2±20%	6.60(6.00)	(20.7)	(16.3)
CDMC10D48L150NP-3R3MC	3.3±20%	10.1(9.20)	(17.2)	(13.7)
CDMC10D48L150NP-4R7MC	4.7±20%	13.5(12.3)	(14.3)	(11.7)
CDMC10D48L150NP-6R8MC	6.8±20%	19.0(17.3)	(12.2)	(9.10)
CDMC10D48L150NP-100MC	10±20%	32.0(29.1)	(8.90)	(7.40)
CDMC10D48L150NP-150MC	15±20%	50.2(45.6)	(6.90)	(5.80)
CDMC10D48L150NP-220MC	22±20%	65.1(59.2)	(6.10)	(5.10)
CDMC10D48L150NP-330MC	33±20%	97.0(88.2)	(5.40)	(4.10)
CDMC10D48L150NP-470MC	47±20%	139(127)	(4.60)	(3.20)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 20%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から20%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

CDMC60D28/L150 0.8g
CDMC10D48/L150 3.0g

Packing Quantity / 梱包数量

CDMC60D28/L150 1,000pcs/reel
CDMC10D48/L150 500pcs/reel

About CDMC60D28/L150 / CDMC60D28/L150 について

This specification is subject to change due to ongoing dvelopment when this catalog was printed.
本仕様は開発中につき、製品の改善等により記載内容を予告なく変更することがありますので、ご了承下さい。

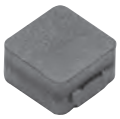
SMD Shielded Type

Metal inductor CDMC**D**/T150 Series（車載向け高温メタルインダクタ）
Low-profile/High current/High temperature resistance (up to 150℃)
Recommended application : Automotive

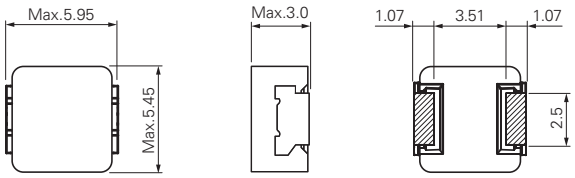
OUTLINE / 概要

Metal composite type. Withstand voltage : 100V.
Complied with automotive reliability test standard AEC-Q200
Suitable for choke coils for high temperature (up to 150°C) and high input voltage (up to 100V) back converters.
メタルコンポジットタイプ。耐圧：100V。
車載信頼性基準 AEC-Q200準拠
高温（～150℃）、高入力電圧（～100V）降圧DC/DCコンバータ用チョークコイルに最適です。

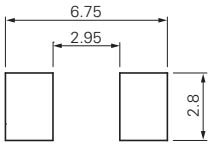
CDMC50D28/T150



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法

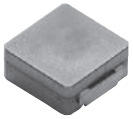


WIRE
線種

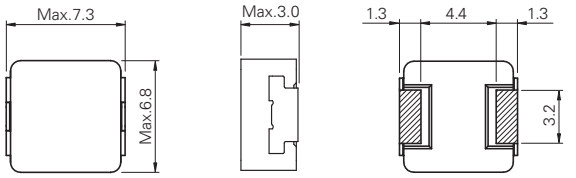
Operating Temperature Range
使用温度範囲:−55℃～+150℃

Part No.	L (μH)	CDMC50D28/T150 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A (Typ.) at 20°C	Irms (A)*B (Typ.)
CDMC50D28T150NP-R10MC	0.10±20%	3.96(3.60)	(48.5)	(19.0)
CDMC50D28T150NP-R22MC	0.22±20%	5.94(5.40)	(38.5)	(15.7)
CDMC50D28T150NP-R33MC	0.33±20%	7.59(6.90)	(28.5)	(14.0)
CDMC50D28T150NP-R47MC	0.47±20%	9.13(8.30)	(24.0)	(11.8)
CDMC50D28T150NP-R68MC	0.68±20%	11.8(10.7)	(23.0)	(10.7)
CDMC50D28T150NP-R82MC	0.82±20%	14.6(13.3)	(18.0)	(9.60)
CDMC50D28T150NP-1R0MC	1.0±20%	17.1(15.5)	(16.5)	(8.60)
CDMC50D28T150NP-1R5MC	1.5±20%	25.0(22.7)	(16.0)	(7.00)
CDMC50D28T150NP-2R2MC	2.2±20%	37.5(34.1)	(14.0)	(5.40)
CDMC50D28T150NP-3R3MC	3.3±20%	60.0(54.5)	(11.5)	(4.20)
CDMC50D28T150NP-4R7MC	4.7±20%	87.8(79.8)	(10.5)	(3.40)
CDMC50D28T150NP-6R8MC	6.8±20%	132(120)	(6.70)	(2.70)
CDMC50D28T150NP-8R2MC	8.2±20%	152(138)	(6.20)	(2.50)
CDMC50D28T150NP-100MC	10.0±20%	184(167)	(4.70)	(2.40)

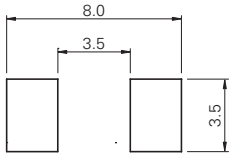
CDMC60D28/T150



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

Operating Temperature Range
使用温度範囲:−55℃～+150℃

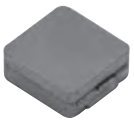
Part No.	L (μH)	CDMC60D28/T150 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A (Typ.) at 20°C	Irms (A)*B (Typ.)
CDMC60D28T150NP-R10MC	0.10±20%	1.96(1.70)	(80.0)	(26.0)
CDMC60D28T150NP-R15MC	0.15±20%	2.53(2.20)	(73.0)	(21.3)
CDMC60D28T150NP-R22MC	0.22±20%	3.08(2.80)	(57.0)	(19.0)
CDMC60D28T150NP-R33MC	0.33±20%	3.96(3.60)	(43.5)	(16.6)
CDMC60D28T150NP-R47MC	0.47±20%	4.84(4.40)	(36.5)	(15.1)
CDMC60D28T150NP-R68MC	0.68±20%	6.93(6.30)	(30.5)	(12.9)
CDMC60D28T150NP-R82MC	0.82±20%	7.92(7.20)	(28.0)	(11.5)
CDMC60D28T150NP-1R0MC	1.0±20%	9.90(9.00)	(24.0)	(10.6)
CDMC60D28T150NP-1R5MC	1.5±20%	17.9(16.3)	(23.0)	(7.60)
CDMC60D28T150NP-2R2MC	2.2±20%	27.4(24.9)	(19.0)	(6.20)
CDMC60D28T150NP-3R3MC	3.3±20%	36.4(33.1)	(16.6)	(5.40)
CDMC60D28T150NP-4R7MC	4.7±20%	50.5(45.9)	(11.1)	(4.40)
CDMC60D28T150NP-6R8MC	6.8±20%	80.7(73.4)	(9.30)	(3.50)
CDMC60D28T150NP-8R2MC	8.2±20%	95.6(86.9)	(9.80)	(3.30)
CDMC60D28T150NP-100MC	10.0±20%	113(102)	(9.30)	(3.00)
CDMC60D28T150NP-150MC	15.0±20%	208(189)	(7.10)	(2.30)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 20%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から20%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDMC50D28/T150 0.47g
CDMC60D28/T150 0.8g

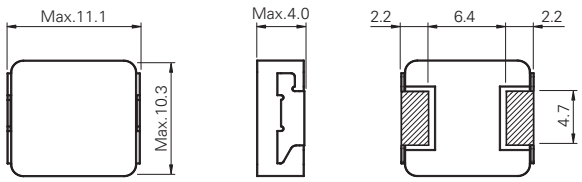
Packing Quantity / 梱包数量
CDMC50D28/T150 2,000pcs/reel
CDMC60D28/T150 1,000pcs/reel

CDMC10D38/T150

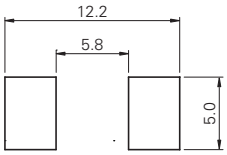


Operating Temperature Range
使用温度範囲:−55℃～+150℃

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

Part No.	L (μH)	CDMC10D38/T150		
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A (Typ.) at 20°C	Irms (A)*B (Typ.)
CDMC10D38T150NP-R47MC	0.47±20%	2.65(2.30)	(60.0)	(26.0)
CDMC10D38T150NP-R68MC	0.68±20%	3.51(3.05)	(50.0)	(23.0)
CDMC10D38T150NP-1R0MC	1.0±20%	5.29(4.60)	(40.0)	(17.0)
CDMC10D38T150NP-1R2MC	1.2±20%	5.83(5.30)	(35.0)	(15.0)
CDMC10D38T150NP-2R2MC	2.2±20%	10.2(9.25)	(26.0)	(12.0)
CDMC10D38T150NP-3R3MC	3.3±20%	13.8(12.5)	(20.0)	(10.0)
CDMC10D38T150NP-4R7MC	4.7±20%	23.1(21.0)	(19.0)	(8.60)
CDMC10D38T150NP-6R8MC	6.8±20%	30.8(28.0)	(16.0)	(7.00)
CDMC10D38T150NP-100MC	10.0±20%	48.4(44.0)	(14.0)	(5.90)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 20%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から20%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDMC10D38/T150 2.4g

Packing Quantity / 梱包数量
CDMC10D38/T150 1,000pcs/reel

SMD Shielded Type

Ferrite inductor CDRH**D**/T150 Series（車載向け高温対応インダクタ）

High temperature resistance up to 150℃ (Including self-heating)

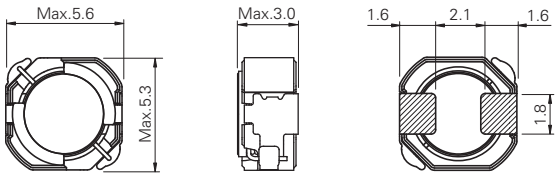
Recommended application : Automotive

OUTLINE / 概要

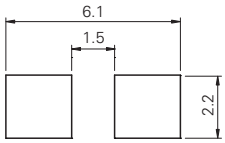
Complied with automotive reliability test standard AEC-Q200. Withstand voltage : 250V.
Suitable for DC/DC converter on ECU and LED headlight for automotive application.
車載信頼性基準 AEC-Q200準拠。耐圧：250V。
ECUやLEDヘッドランプ等のDC/DCコンバータに最適です。

CDRH50D28B/T150

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

●

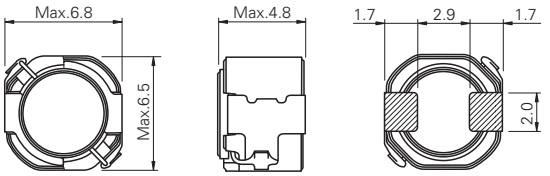
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−55℃～+150℃

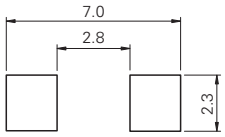
Part No.	L (μH)	CDRH50D28B/T150 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B Max.(Typ.)
CDRH50D28BT150NP-1R0NC	1.0±30%	23.4(18.0)	5.50(6.50)	3.20(3.60)
CDRH50D28BT150NP-1R5NC	1.5±30%	26.0(20.0)	4.40(5.20)	3.00(3.40)
CDRH50D28BT150NP-2R2NC	2.2±30%	33.8(26.0)	3.50(4.20)	2.80(3.20)
CDRH50D28BT150NP-3R3NC	3.3±30%	41.6(32.0)	2.90(3.40)	2.40(2.70)
CDRH50D28BT150NP-4R7NC	4.7±30%	67.6(52.0)	2.40(2.90)	2.20(2.50)
CDRH50D28BT150NP-6R8NC	6.8±30%	97.5(75.0)	2.00(2.40)	1.70(1.92)
CDRH50D28BT150NP-100MC	10±20%	114(95.0)	1.70(2.00)	1.55(1.75)
CDRH50D28BT150NP-150MC	15±20%	156(130)	1.40(1.70)	1.22(1.38)
CDRH50D28BT150NP-220MC	22±20%	180(150)	1.20(1.40)	1.00(1.14)
CDRH50D28BT150NP-330MC	33±20%	336(280)	0.93(1.10)	0.88(0.90)
CDRH50D28BT150NP-470MC	47±20%	516(430)	0.78(0.92)	0.68(0.76)
CDRH50D28BT150NP-680MC	68±20%	756(630)	0.67(0.79)	0.56(0.65)
CDRH50D28BT150NP-101MC	100±20%	930(780)	0.55(0.65)	0.40(0.46)

CDRH60D45B/T150

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

●

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−55℃～+150℃

Part No.	L (μH)	CDRH60D45B/T150 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B Max.(Typ.)
CDRH60D45BT150NP-1R0NC	1.0±30%	14.3(11.0)	6.70(8.50)	4.20(4.80)
CDRH60D45BT150NP-1R5NC	1.5±30%	16.9(13.0)	5.50(7.20)	4.00(4.50)
CDRH60D45BT150NP-2R2NC	2.2±30%	19.5(15.0)	4.20(5.70)	3.85(4.10)
CDRH60D45BT150NP-3R3NC	3.3±30%	23.4(18.0)	3.50(5.00)	3.40(3.70)
CDRH60D45BT150NP-4R7NC	4.7±30%	29.9(23.0)	3.10(4.10)	3.00(3.40)
CDRH60D45BT150NP-6R8NC	6.8±30%	35.1(27.0)	2.50(3.60)	2.60(3.10)
CDRH60D45BT150NP-100MC	10±20%	45.6(38.0)	2.10(2.80)	2.40(2.60)
CDRH60D45BT150NP-150MC	15±20%	76.8(64.0)	1.70(2.30)	1.50(2.00)
CDRH60D45BT150NP-220MC	22±20%	98.4(82.0)	1.40(1.90)	1.40(1.70)
CDRH60D45BT150NP-330MC	33±20%	126(105)	1.10(1.56)	1.30(1.60)
CDRH60D45BT150NP-470MC	47±20%	156(130)	0.97(1.28)	1.10(1.40)
CDRH60D45BT150NP-680MC	68±20%	252(210)	0.81(1.07)	0.85(1.10)
CDRH60D45BT150NP-101MC	100±20%	408(340)	0.61(0.90)	0.72(0.86)
CDRH60D45BT150NP-151MC	150±20%	576(480)	0.53(0.74)	0.60(0.72)
CDRH60D45BT150NP-221MC	220±20%	864(720)	0.47(0.62)	0.48(0.57)
CDRH60D45BT150NP-331MC	330±20%	1,160(970)	0.36(0.50)	0.40(0.49)
CDRH60D45BT150NP-471MC	470±20%	1,730(1,440)	0.28(0.39)	0.38(0.46)

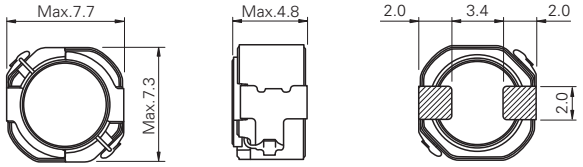
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDRH50D28B/T150 0.24g
CDRH60D45B/T150 0.54g

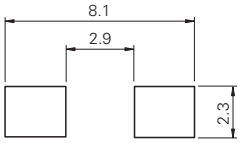
Packing Quantity / 梱包数量
CDRH50D28B/T150 2,000pcs/reel
CDRH60D45B/T150 1,000pcs/reel

CDRH70D45B/T150

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

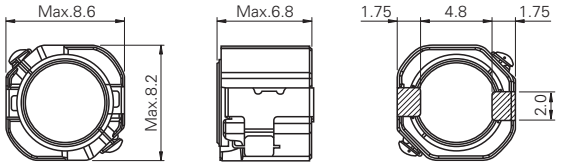
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−55℃〜+150℃

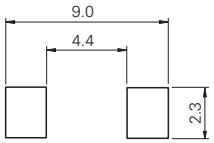
Part No.	L (μH)	CDRH70D45B/T150 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B Max.(Typ.)
CDRH70D45BT150NP-R80NC	0.8±30%	9.10(7.00)	9.00(10.7)	8.20(9.40)
CDRH70D45BT150NP-1R2NC	1.2±30%	10.4(8.00)	7.10(8.40)	7.80(8.70)
CDRH70D45BT150NP-1R5NC	1.5±30%	11.7(9.00)	6.30(7.40)	7.40(8.40)
CDRH70D45BT150NP-2R2NC	2.2±30%	13.0(10.0)	5.30(6.20)	6.70(7.60)
CDRH70D45BT150NP-3R3NC	3.3±30%	16.9(13.0)	4.30(5.10)	5.90(6.70)
CDRH70D45BT150NP-4R7NC	4.7±30%	18.2(14.0)	3.60(4.20)	5.40(6.20)
CDRH70D45BT150NP-6R8NC	6.8±30%	28.6(22.0)	3.10(3.60)	4.50(5.10)
CDRH70D45BT150NP-100MC	10±20%	39.6(33.0)	2.60(3.00)	3.30(3.80)
CDRH70D45BT150NP-150MC	15±20%	66.0(55.0)	2.00(2.40)	2.70(3.10)
CDRH70D45BT150NP-220MC	22±20%	82.8(69.0)	1.70(2.00)	2.30(2.60)
CDRH70D45BT150NP-330MC	33±20%	116(97.0)	1.40(1.60)	2.00(2.20)
CDRH70D45BT150NP-470MC	47±20%	156(130)	1.10(1.30)	1.73(1.97)
CDRH70D45BT150NP-680MC	68±20%	228(190)	0.94(1.10)	1.38(1.57)
CDRH70D45BT150NP-101MC	100±20%	360(300)	0.78(0.92)	1.08(1.23)
CDRH70D45BT150NP-151MC	150±20%	516(430)	0.63(0.74)	0.92(1.05)
CDRH70D45BT150NP-221MC	220±20%	660(550)	0.53(0.62)	0.80(0.91)
CDRH70D45BT150NP-331MC	330±20%	1,100(920)	0.43(0.51)	0.59(0.67)
CDRH70D45BT150NP-471MC	470±20%	1,620(1,350)	0.37(0.43)	0.48(0.54)
CDRH70D45BT150NP-681MC	680±20%	2,100(1,750)	0.30(0.35)	0.43(0.50)

CDRH80D65B/T150

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−55℃〜+150℃

Part No.	L (μH)	CDRH80D65B/T150 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B Max.(Typ.)
CDRH80D65BT150NP-1R0NC	1.0±30%	8.32(6.40)	12.1(14.3)	7.60(8.74)
CDRH80D65BT150NP-1R5NC	1.5±30%	9.75(7.50)	9.80(11.6)	6.80(7.80)
CDRH80D65BT150NP-2R2NC	2.2±30%	12.5(9.60)	8.00(9.50)	5.80(6.71)
CDRH80D65BT150NP-3R3NC	3.3±30%	14.0(10.8)	6.50(7.65)	5.50(6.35)
CDRH80D65BT150NP-3R9NC	3.9±30%	15.3(11.8)	5.90(7.05)	5.30(6.10)
CDRH80D65BT150NP-4R7NC	4.7±30%	17.2(13.2)	5.50(6.49)	4.80(5.49)
CDRH80D65BT150NP-6R8NC	6.8±30%	20.5(15.8)	4.50(5.40)	4.40(5.02)
CDRH80D65BT150NP-100MC	10±20%	23.8(19.8)	3.80(4.50)	3.90(4.54)
CDRH80D65BT150NP-150MC	15±20%	42.0(35.0)	3.00(3.55)	2.70(3.16)
CDRH80D65BT150NP-220MC	22±20%	58.8(49.0)	2.40(2.94)	2.40(2.83)
CDRH80D65BT150NP-330MC	33±20%	103(86.0)	2.00(2.42)	1.60(1.93)
CDRH80D65BT150NP-470MC	47±20%	126(105)	1.70(2.02)	1.50(1.74)
CDRH80D65BT150NP-680MC	68±20%	157(131)	1.40(1.67)	1.30(1.57)
CDRH80D65BT150NP-101MC	100±20%	202 (168)	1.10(1.41)	1.20(1.37)
CDRH80D65BT150NP-151MC	150±20%	320 (267)	0.99(1.17)	0.95(1.09)
CDRH80D65BT150NP-221MC	220±20%	570 (475)	0.79(0.94)	0.64(0.73)
CDRH80D65BT150NP-331MC	330±20%	775 (646)	0.65(0.77)	0.59(0.67)
CDRH80D65BT150NP-471MC	470±20%	959 (799)	0.54(0.64)	0.53(0.61)
CDRH80D65BT150NP-681MC	680±20%	1,420 (1,180)	0.45(0.53)	0.40(0.46)
CDRH80D65BT150NP-102MC	1000±20%	2,380 (1,980)	0.36(0.43)	0.30(0.35)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

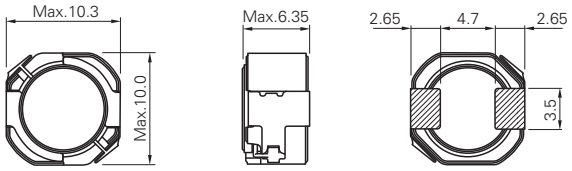
CDRH70D45B/T150 0.73g
CDRH80D65B/T150 1.3g

Packing Quantity / 梱包数量

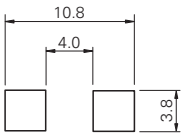
CDRH70D45B/T150 1,000pcs/reel
CDRH80D65B/T150 500pcs/reel

CDRH10D60B/T150

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

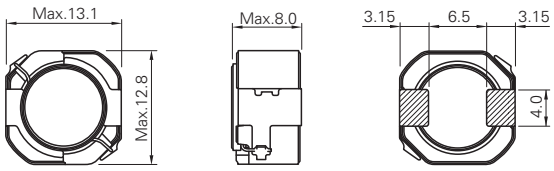
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−55℃〜+150℃

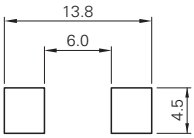
Part No.	L (μH)	CDRH10D60B/T150 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B Max.(Typ.)
CDRH10D60BT150NP-R80NC	0.8±30%	7.02(5.40)	15.9(21.2)	11.0(12.6)
CDRH10D60BT150NP-1R3NC	1.3±30%	8.06(6.20)	12.7(17.0)	10.0(11.3)
CDRH10D60BT150NP-2R0NC	2.0±30%	9.23(7.10)	10.2(13.6)	9.70(10.9)
CDRH10D60BT150NP-2R7NC	2.7±30%	11.1(8.50)	8.70(11.7)	9.00(10.4)
CDRH10D60BT150NP-4R7NC	4.7±30%	15.6(12.0)	6.60(8.80)	7.50(8.50)
CDRH10D60BT150NP-6R8NC	6.8±30%	19.5(15.0)	5.50(7.40)	7.00(7.90)
CDRH10D60BT150NP-100MC	10±20%	20.4(17.0)	4.60(6.20)	6.20(6.90)
CDRH10D60BT150NP-150MC	15±20%	36.0(30.0)	3.60(4.90)	4.60(5.30)
CDRH10D60BT150NP-220MC	22±20%	51.6(43.0)	3.00(4.10)	3.75(4.35)
CDRH10D60BT150NP-330MC	33±20%	68.4(57.0)	2.50(3.35)	3.35(3.75)
CDRH10D60BT150NP-470MC	47±20%	88.8(74.0)	2.10(2.82)	3.05(3.45)
CDRH10D60BT150NP-680MC	68±20%	106(88.0)	1.70(2.36)	2.70(3.10)
CDRH10D60BT150NP-101MC	100±20%	192(160)	1.40(1.92)	2.00(2.30)
CDRH10D60BT150NP-151MC	150±20%	300(250)	1.20(1.60)	1.55(1.75)
CDRH10D60BT150NP-221MC	220±20%	420(350)	0.99(1.32)	1.35(1.55)
CDRH10D60BT150NP-331MC	330±20%	618(515)	0.79(1.06)	1.00(1.15)
CDRH10D60BT150NP-471MC	470±20%	924(770)	0.66(0.88)	0.90(1.00)

CDRH12D77B/T150

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−55℃〜+150℃

Part No.	L (μH)	CDRH12D77B/T150 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B Max.(Typ.)
CDRH12D77BT150NP-1R0NC	1.0±30%	5.85(4.50)	24.8(31.0)	11.7(14.0)
CDRH12D77BT150NP-1R5NC	1.5±30%	7.02(5.40)	20.0(25.0)	11.2(12.7)
CDRH12D77BT150NP-2R2NC	2.2±30%	8.19(6.30)	16.5(20.6)	10.5(11.7)
CDRH12D77BT150NP-3R3NC	3.3±30%	9.62(7.40)	13.3(16.7)	9.90(11.2)
CDRH12D77BT150NP-4R2NC	4.2±30%	10.9(8.40)	11.7(14.7)	9.50(10.5)
CDRH12D77BT150NP-6R8NC	6.8±30%	16.9(13.0)	9.30(11.7)	7.10(8.10)
CDRH12D77BT150NP-100MC	10±20%	19.0(15.8)	7.70(9.70)	6.70(7.50)
CDRH12D77BT150NP-150MC	15±20%	27.6(23.0)	6.20(7.80)	5.60(6.40)
CDRH12D77BT150NP-220MC	22±20%	40.8(34.0)	5.10(6.40)	4.40(5.10)
CDRH12D77BT150NP-330MC	33±20%	57.6(48.0)	4.10(5.20)	3.70(4.30)
CDRH12D77BT150NP-470MC	47±20%	72.0(60.0)	3.50(4.40)	3.50(4.00)
CDRH12D77BT150NP-680MC	68±20%	92.4(77.0)	2.90(3.70)	3.20(3.60)
CDRH12D77BT150NP-101MC	100±20%	138(115)	2.40(3.05)	2.50(2.80)
CDRH12D77BT150NP-151MC	150±20%	198(165)	2.00(2.55)	2.15(2.45)
CDRH12D77BT150NP-221MC	220±20%	318(265)	1.65(2.05)	1.60(1.80)
CDRH12D77BT150NP-331MC	330±20%	444(370)	1.35(1.70)	1.30(1.50)
CDRH12D77BT150NP-471MC	470±20%	612(510)	1.12(1.40)	1.18(1.32)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

CDRH10D60B/T150 1.8g
CDRH12D77B/T150 3.8g

Packing Quantity / 梱包数量

CDRH10D60B/T150 500pcs/reel
CDRH12D77B/T150 500pcs/reel

SMD Unshielded Type

Ferrite inductor CDR**/T150 Series（車載向け高インダクタンス・高温対応インダクタ）

High inductance value/High temperature resistance up to 150ºC (Including self-heating)

Recommended application : Automotive & Industry

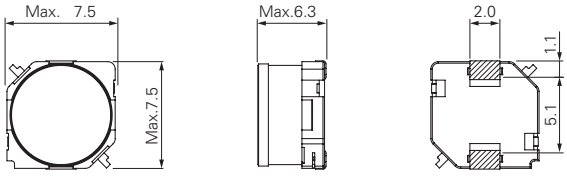
OUTLINE / 概要

Complied with automotive reliability test standard AEC-Q200
SMD unshielded type normal mode choke for the control module low grid power supply line for industrial AC motor and EV charging station.
車載信頼性基準 AEC-Q200準拠
産業機器交流モーター、EV充電スタンド等の制御モジュール向け低負荷商用電源ライン面実装開磁型ノーマルモードチョーク

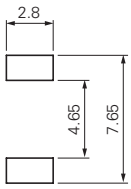
CDR76/T150

PROVISIONAL

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

●

CONSTRUCTION
磁気構造図

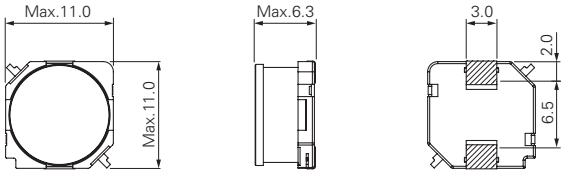
Operating Temperature Range
使用温度範囲:−40℃～+150℃

Part No.	L (mH)	CDR76/T150			
		D.C.R.(Ω) Max. (Typ.) at 20°C	Isat (mA)*A Max. (Typ.) at 20°C	Isat (mA)*A Max. (Typ.) at 150°C	Irms (mA)*B Max. (Typ.)
CDR76T150NP-471KC	0.47±10%	1.46(1.22)	320(410)	(320)	350(420)
CDR76T150NP-472KC	4.7±10%	15.95(13.29)	120(150)	(100)	70.0(100)
CDR76T150NP-103KC	10.0±10%	34.22(28.52)	88.0(110)	(72.0)	32.0(65.0)

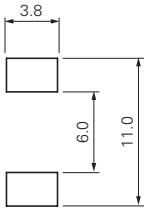
CDR106/T150

PROVISIONAL

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

●

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+150℃

Part No.	L (mH)	CDR106/T150			
		D.C.R.(Ω) Max. (Typ.) at 20°C	Isat (mA)*A Max. (Typ.) at 20°C	Isat (mA)*A Max. (Typ.) at 150°C	Irms (mA)*B Max. (Typ.)
CDR106T150NP-471KC	0.47±10%	0.94(0.78)	530(670)	(490)	600(700)
CDR106T150NP-472KC	4.7±10%	9.01(7.51)	180(230)	(160)	160(200)
CDR106T150NP-103KC	10.0±10%	23.33(19.44)	120(150)	(110)	76.0(100)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から10%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

CDR76/T150	0.83g
CDR106/T150	1.65g

Packing Quantity / 梱包数量

CDR76/T150	500pcs/reel
CDR106/T150	500pcs/reel

About CDR76/T150, CDR106/T150 / CDR76/T150, CDR106/T150 について
This specification is subject to change due to ongoing dvelopment when this catalog was printed.
本仕様は開発中につき、製品の改善等により記載内容を予告なく変更することがありますので、ご了承下さい。

SMD Shielded Type

Ferrite inductor CDEP**D**/CDPQ** 150°C Series (低背・大電流・高温対応インダクタ)

Low-Profile/Large current/High temperature resistance up to 150°C (Including self-heating)

Recommended application : Automotive

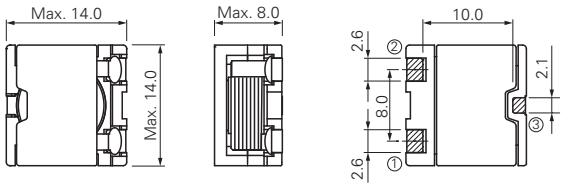
OUTLINE / 概要

Withstand voltage : DC120V guaranteed
Complied with automotive reliability test standard AEC-Q200
Automotive high-power buck/boost chopper inductor, and input/output filter inductor for DC/DC converter.

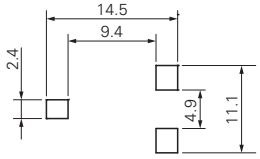
耐電圧 : DC120V 保証
車載信頼性基準 AEC-Q200準拠
車載大電流昇降圧チョッパーインダクタ、及び車載DC/DCコンバータ入出力フィルタインダクタ。

CDEP13D76/T150

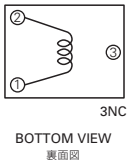
DIMENSIONS (mm) 外形寸法図



LAND PATTERN (mm) 推奨ランド寸法



CONNECTION 端子接続



WIRE 線種

CONSTRUCTION 磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+150℃

Part No.	L (μH)	CDEP13D76/T150(Standard Type)				CDEP13D76/T150(High Power Type)			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 150°C	Irms (A)*B Max.(Typ.)	D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 150°C	Irms (A)*B Max.(Typ.)
CDEP13D76T150NP-0R8MC-90	0.8±20%					2.38(1.98)	32.0(40.0)	21.6(27.0)	17.0(20.0)
CDEP13D76T150NP-1R0MC-105	1.0±20%	2.38(1.98)	24.8(31.0)	16.8(21.0)	17.0(20.0)				
CDEP13D76T150NP-1R5MC-90	1.5±20%					3.12(2.60)	22.8(28.5)	15.2(19.0)	15.0(17.8)
CDEP13D76T150NP-1R6MC-105	1.6±20%	3.12(2.60)	20.0(25.0)	13.6(17.0)	15.0(17.8)				
CDEP13D76T150NP-2R2MC-90	2.2±20%					3.96(3.30)	19.6(24.5)	13.2(16.5)	14.1(16.1)
CDEP13D76T150NP-2R4MC-105	2.4±20%	3.96(3.30)	16.8(21.0)	12.0(15.0)	14.0(16.1)				
CDEP13D76T150NP-3R3MC-90	3.3±20%					4.68(3.90)	15.5(19.4)	11.4(14.2)	13.0(15.0)
CDEP13D76T150NP-3R6MC-105	3.6±20%	4.68(3.90)	13.8(17.2)	9.20(11.5)	13.0(15.0)				
CDEP13D76T150NP-4R3MC-90	4.3±20%					5.76(4.80)	13.8(17.2)	9.80(12.2)	11.4(13.0)
CDEP13D76T150NP-5R1MC-105	5.1±20%	5.76(4.80)	11.7(14.6)	8.20(10.3)	11.4(13.0)				
CDEP13D76T150NP-6R8MC-90	6.8±20%					8.88(7.40)	11.0(13.7)	7.60(9.50)	8.70(10.0)
CDEP13D76T150NP-6R8MC-105	6.8±20%	7.08(5.90)	10.2(12.7)	7.20(9.00)	10.3(11.5)				
CDEP13D76T150NP-100MC-90	10.0±20%					16.1(13.4)	9.00(11.3)	6.20(7.70)	6.50(7.50)
CDEP13D76T150NP-100MC-105	10.0±20%	12.4(10.3)	8.40(10.5)	5.80(7.30)	7.50(8.50)				
CDEP13D76T150NP-120MC-90	12.5±20%					18.2(15.2)	8.20(10.2)	5.80(7.20)	6.00(7.00)
CDEP13D76T150NP-120MC-105	12.5±20%	16.1(13.4)	7.40(9.30)	5.20(6.50)	6.50(7.50)				
CDEP13D76T150NP-150MC-90	15.0±20%					23.9(19.9)	7.40(9.30)	5.20(6.50)	5.10(6.00)
CDEP13D76T150NP-150MC-105	15.0±20%	18.2(15.2)	6.60(8.50)	4.90(6.20)	6.00(7.00)				
CDEP13D76T150NP-220MC-90	22.0±20%					36.5(30.4)	6.00(7.50)	4.30(5.40)	4.00(4.70)
CDEP13D76T150NP-220MC-105	22.0±20%	28.1(23.4)	5.50(6.90)	3.80(4.70)	4.60(5.30)				

Other / その他

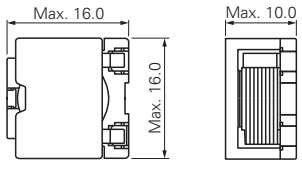
*A Isat (Saturation Current) : "Isat (A)" that will cause nominal inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが公称値の30%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDEP13D76/T150 4.0g

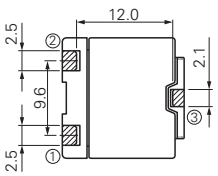
Packing Quantity / 梱包数量
CDEP13D76/T150 200pcs/reel

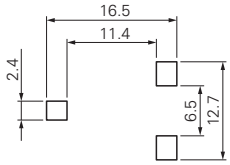
CDEP15D90/T150

DIMENSIONS (mm) 外形寸法図

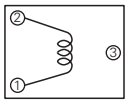


LAND PATTERN (mm) 推奨ランド寸法





CONNECTION 端子接続



BOTTOM VIEW
裏面図

WIRE 線種

CONSTRUCTION 磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+150℃

Part No.	L (μH)	CDEP15D90/T150(Standard Type)				CDEP15D90/T150(High Power Type)			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.)		Irms (A)*B Max.(Typ.)	D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.)		Irms (A)*B Max.(Typ.)
			at 20°C	at 150°C			at 20°C	at 150°C	
CDEP15D90T150NP-0R5MC-125	0.5±20%	1.44(1.20)	50.4(63.0)	34.4(43.0)	30.0(33.5)				
CDEP15D90T150NP-1R0MC-100	1.0±20%					2.10(1.75)	41.3(51.6)	28.6(35.8)	21.0(24.5)
CDEP15D90T150NP-1R2MC-125	1.2±20%	2.10(1.75)	33.5(41.9)	22.8(28.5)	21.0(24.5)				
CDEP15D90T150NP-1R6MC-100	1.6±20%					2.88(2.40)	33.6(42.0)	22.4(28.0)	20.0(23.0)
CDEP15D90T150NP-2R0MC-125	2.0±20%	2.88(2.40)	24.8(31.0)	17.6(22.0)	20.0(23.0)				
CDEP15D90T150NP-2R4MC-100	2.4±20%					3.48(2.90)	27.6(34.5)	19.6(24.5)	15.5(18.5)
CDEP15D90T150NP-3R3MC-125	3.3±20%	3.48(2.90)	20.0(25.0)	13.6(17.0)	15.5(18.5)				
CDEP15D90T150NP-3R6MC-100	3.6±20%					4.20(3.50)	21.2(26.5)	14.8(18.5)	14.5(16.5)
CDEP15D90T150NP-4R7MC-125	4.7±20%	4.20(3.50)	17.0(21.3)	11.8(14.8)	14.5(16.5)				
CDEP15D90T150NP-4R7MC-100	4.7±20%					5.88(4.90)	19.2(24.0)	13.3(16.7)	13.2(14.8)
CDEP15D90T150NP-6R2MC-125	6.2±20%	5.88(4.90)	14.8(18.5)	10.4(13.0)	13.2(14.8)				
CDEP15D90T150NP-6R8MC-100	6.8±20%					6.60(5.50)	16.3(20.3)	11.0(13.8)	12.1(13.5)
CDEP15D90T150NP-100MC-125	10.0±20%	9.48(7.90)	12.0(15.0)	8.40(10.5)	11.3(12.5)				
CDEP15D90T150NP-100MC-100	10.0±20%					10.7(8.90)	13.0(16.2)	9.30(11.3)	10.9(12.2)
CDEP15D90T150NP-120MC-125	12.5±20%	10.7(8.90)	10.2(12.8)	7.60(9.50)	10.9(12.2)				
CDEP15D90T150NP-120MC-100	12.5±20%					12.7(10.6)	12.0(15.0)	8.20(10.2)	7.00(8.50)
CDEP15D90T150NP-150MC-125	15.0±20%	12.7(10.6)	9.60(12.0)	6.70(8.20)	7.00(8.50)				
CDEP15D90T150NP-150MC-100	15.0±20%					16.1(13.4)	10.7(13.4)	7.70(9.70)	6.90(8.00)
CDEP15D90T150NP-220MC-125	22.0±20%	17.4(14.5)	7.70(9.70)	5.30(6.60)	6.70(7.50)				
CDEP15D90T150NP-220MC-100	22.0±20%					24.1(20.1)	8.80(11.0)	6.00(7.50)	5.70(6.50)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause nominal inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが公称値の30%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

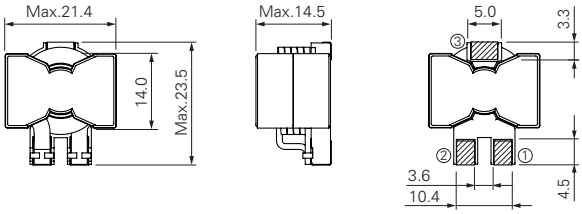
Weight (Ref.) / 重量(参考値)
CDEP15D90/T150 6.8g

Packing Quantity / 梱包数量
CDEP15D90/T150 200pcs/reel

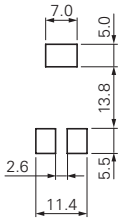
CDPQ2014/T150

PROVISIONAL

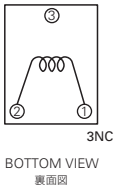
DIMENSIONS (mm)
外形寸法図



LAND PATTERNS (mm)
推奨ランド寸法



CONNECTION
端子接続



WIRE
線種

CONSTRUCTION
磁気構造図

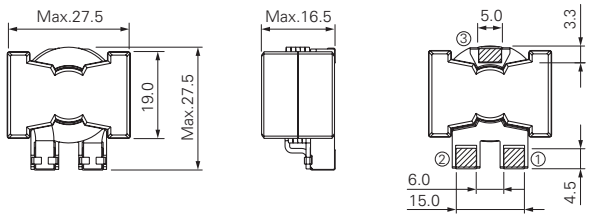
Operating Temperature Range
使用温度範囲:−40℃～+150℃

Part No.	L (μH)	CDPQ2014/T150 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max. (Typ.) at 25°C	Irms (A)*B (Typ.)
CDPQ2014T150NP-1R0	1.0±20%	1.70(1.40)	80.0(100)	(32.0)
CDPQ2014T150NP-2R2	2.2±20%	1.70(1.40)	43.0(54.0)	(32.0)
CDPQ2014T150NP-3R3	3.3±20%	1.70(1.40)	27.0(34.0)	(32.0)

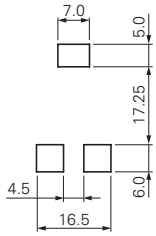
CDPQ2717/T150

PROVISIONAL

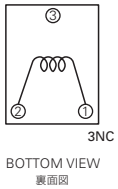
DIMENSIONS (mm)
外形寸法図



LAND PATTERNS (mm)
推奨ランド寸法



CONNECTION
端子接続



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+150℃

Part No.	L (μH)	CDPQ2717/T150 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max. (Typ.) at 25°C	Irms (A)*B (Typ.)
CDPQ2717T150NP-2R2	2.2±20%	1.74(1.45)	76.0(95.0)	(35.0)
CDPQ2717T150NP-3R3	3.3±20%	1.74(1.45)	50.0(62.0)	(35.0)
CDPQ2717T150NP-4R7	4.7±20%	1.74(1.45)	36.0(46.0)	(35.0)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 20%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から20%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDPQ2014/T150 19.0g
CDPQ2717/T150 35.5g

Packing Quantity / 梱包数量
CDPQ2014/T150 150pcs/box
CDPQ2717/T150 125pcs/box

About CDPQ2014/T150, CDPQ2717/T150 / CDPQ2014/T150, CDPQ2717/T150 について
This specification is subject to change due to ongoing dvelopment when this catalog was printed.
本仕様は開発中につき、製品の改善等により記載内容を予告なく変更することがありますので、ご了承下さい。

SMD Shielded Type

Ferrite inductor CDRH**/CDRR** 125ºC Series（車載用高温対応インダクタ）

High temperature resistance up to 125ºC (Including self-heating) ＊CDRH40D18/A : Non-including self-heating

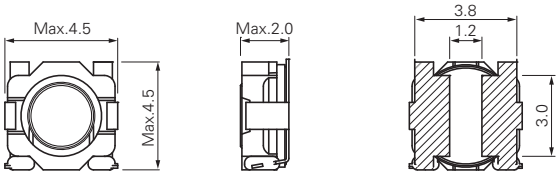
Recommended application : Automotive

OUTLINE / 概要

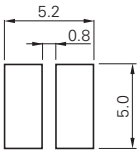
Complied with automotive reliability test standard AEC-Q200
Suitable for DC/DC converter required for high temperature resistance and high reliability application
車載信頼性基準 AEC-Q200準拠
高温・高信頼性の要求されるDC/DCコンバータに最適です。

CDRH40D18/A

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

●

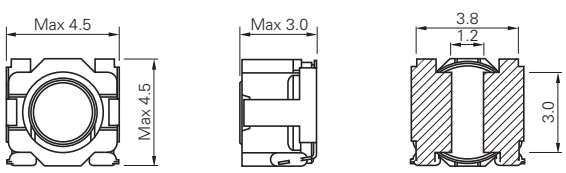
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

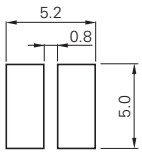
Part No.	L (μH)	CDRH40D18/A	
		D.C.R.(mΩ) Max. (Typ.)	Rated current(A)*B Max. at 125°C
CDRH40D18ANP-2R2NC	2.2±30%	63.0(50.0)	1.36
CDRH40D18ANP-3R3NC	3.3±30%	108(86.0)	1.10
CDRH40D18ANP-4R7NC	4.7±30%	128(102)	0.84
CDRH40D18ANP-6R8NC	6.8±30%	205(164)	0.73
CDRH40D18ANP-100NC	10±30%	338(270)	0.59
CDRH40D18ANP-150NC	15±30%	428(342)	0.49
CDRH40D18ANP-220NC	22±30%	615(492)	0.41
CDRH40D18ANP-330NC	33±30%	1,175(940)	0.31
CDRH40D18ANP-470NC	47±30%	1,500(1,200)	0.28

CDRH40D28/T125

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

●

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDRH40D28/T125			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.)		Irms (A)*C (Typ.)
			at 20°C	at 125°C	
CDRH40D28T125NP-1R5NC	1.5±30%	43.5(35.0)	2.20(2.76)	1.92(2.41)	(3.00)
CDRH40D28T125NP-1R8NC	1.8±30%	50.0(40.0)	2.00(2.50)	1.76(2.20)	(2.75)
CDRH40D28T125NP-2R2NC	2.2±30%	56.0(45.0)	1.85(2.32)	1.56(1.95)	(2.70)
CDRH40D28T125NP-3R3NC	3.3±30%	68.5(55.0)	1.59(1.99)	1.36(1.70)	(2.35)
CDRH40D28T125NP-4R7NC	4.7±30%	85.0(68.0)	1.29(1.62)	1.12(1.40)	(2.00)
CDRH40D28T125NP-5R6NC	5.6±30%	112(90.0)	1.20(1.50)	1.03(1.29)	(1.70)
CDRH40D28T125NP-6R8NC	6.8±30%	118(95.0)	1.08(1.35)	0.93(1.16)	(1.65)
CDRH40D28T125NP-100NC	10±30%	188(150)	0.82(1.02)	0.72(0.90)	(1.35)
CDRH40D28T125NP-150NC	15±30%	240(192)	0.72(0.90)	0.62(0.77)	(1.20)
CDRH40D28T125NP-220NC	22±30%	338(270)	0.61(0.76)	0.53(0.66)	(0.90)
CDRH40D28T125NP-330NC	33±30%	619(495)	0.49(0.61)	0.42(0.52)	(0.66)

Other / その他

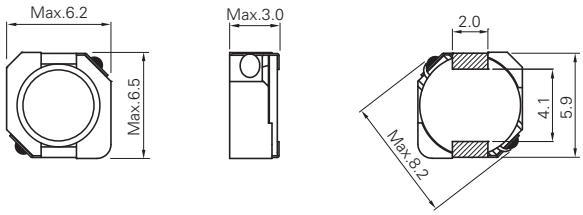
*A Isat (Saturation Current) : "Isat (A)" that will cause nominal inductance value to drop approximately 35%.
*B Rated current : "Rated current" that will cause nominal inductance value to drop approximately 35% or
"Rated current" that will cause an approximate ⊿T = 30°C. The smaller one is defined as Rated current.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが公称値の35%低下する直流電流値。
*B Rated current（定格電流）: インダクタンスが公称値の35%低下する直流電流値、もしくはコイルの温度上昇値が⊿T=30℃になる直流電流値のどちらか小さい方の値。
*C Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDRH40D18/A 0.1g
CDRH40D28/T125 0.15g

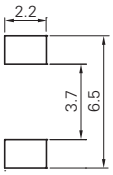
Packing Quantity / 梱包数量
CDRH40D18/A 1,000pcs/reel
CDRH40D28/T125 2,000pcs/reel

CDRH5D28RB/H125

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

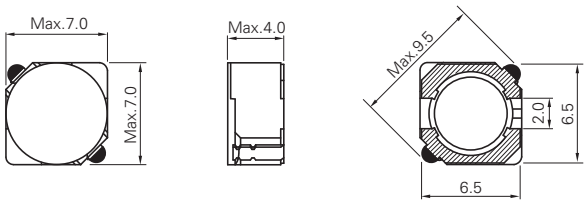
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

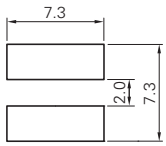
Part No.	L (μH)	CDRH5D28RB/H125			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A at 20°C Max.	Isat (A)*A at 125°C (Typ.)	Irms (A)*B Max.
CDRH5D28RBH125NP-1R0PC	1.0±25%	17.0(13.5)	7.10	(5.60)	4.10
CDRH5D28RBH125NP-1R4PC	1.4±25%	20.0(16.0)	6.50	(5.10)	3.60
CDRH5D28RBH125NP-1R8PC	1.8±25%	22.5(18.0)	5.70	(4.30)	3.40
CDRH5D28RBH125NP-2R4PC	2.4±25%	27.0(21.5)	5.30	(4.00)	3.20
CDRH5D28RBH125NP-3R3PC	3.3±25%	35.5(28.5)	4.30	(3.40)	2.72
CDRH5D28RBH125NP-4R7PC	4.7±25%	54.0(43.0)	3.70	(2.89)	2.20
CDRH5D28RBH125NP-6R8PC	6.8±25%	77.5(62.0)	3.08	(2.44)	1.80
CDRH5D28RBH125NP-100MC	10±20%	121(97.0)	2.46	(1.93)	1.40
CDRH5D28RBH125NP-150MC	15±20%	148(118)	2.08	(1.63)	1.24
CDRH5D28RBH125NP-220MC	22±20%	266(213)	1.70	(1.33)	0.90
CDRH5D28RBH125NP-330MC	33±20%	334(267)	1.41	(1.12)	0.80
CDRH5D28RBH125NP-470MC	47±20%	500(400)	1.16	(0.91)	0.64
CDRH5D28RBH125NP-680MC	68±20%	685(548)	0.95	(0.74)	0.54
CDRH5D28RBH125NP-101MC	100±20%	1,020 (815)	0.80	(0.62)	0.46

CDRH6D38/T125

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDRH6D38/T125			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A at 20°C Max.	Isat (A)*A at 125°C (Typ.)	Irms (A)*B Max.
CDRH6D38T125NP-3R0NC	3.0±30%	22.0(17.5)	3.90	(3.00)	4.50
CDRH6D38T125NP-3R9NC	3.9±30%	24.5(19.6)	3.30	(2.50)	4.00
CDRH6D38T125NP-4R7NC	4.7±30%	27.5(22.0)	3.10	(2.40)	3.80
CDRH6D38T125NP-5R6NC	5.6±30%	30.5(24.4)	2.85	(2.10)	3.50
CDRH6D38T125NP-6R8NC	6.8±30%	33.0(26.4)	2.65	(2.00)	3.30
CDRH6D38T125NP-100PC	10±25%	43.5(34.8)	2.20	(1.70)	3.00
CDRH6D38T125NP-150PC	15±25%	59.8(47.8)	1.80	(1.50)	2.20
CDRH6D38T125NP-220PC	22±25%	103(82.7)	1.50	(1.00)	1.65
CDRH6D38T125NP-330PC	33±25%	145(116)	1.25	(0.95)	1.45
CDRH6D38T125NP-470PC	47±25%	181(145)	1.00	(0.80)	1.20
CDRH6D38T125NP-680PC	68±25%	250(200)	0.85	(0.65)	1.00
CDRH6D38T125NP-101PC	100±25%	372(298)	0.68	(0.55)	0.85

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から35%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

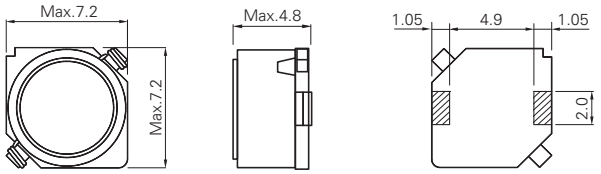
CDRH5D28RB/H125 0.4g
CDRH6D38/T125 0.4g

Packing Quantity / 梱包数量

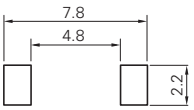
CDRH5D28RB/H125 1,500pcs/reel
CDRH6D38/T125 1,000pcs/reel

CDRR7D45/T125

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



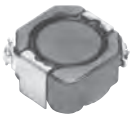
WIRE
線種

CONSTRUCTION
磁気構造図

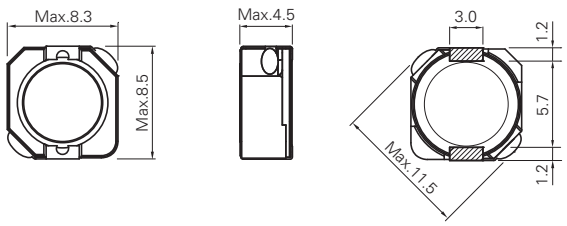
Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDRR7D45/T125 D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max. at 20°C	Irms (A)*C Max.
CDRR7D45T125NP-3R3MC	3.3±20%	33.6(28.0)	3.50	3.20
CDRR7D45T125NP-4R7MC	4.7±20%	37.2(31.0)	2.80	2.90
CDRR7D45T125NP-6R8MC	6.8±20%	46.8(39.0)	2.40	2.45
CDRR7D45T125NP-100MC	10±20%	56.4(47.0)	1.96	2.25
CDRR7D45T125NP-150MC	15±20%	81.6(68.0)	1.64	1.85
CDRR7D45T125NP-220MC	22±20%	98.4(82.0)	1.36	1.60
CDRR7D45T125NP-330MC	33±20%	144(120)	1.12	1.30
CDRR7D45T125NP-470MC	47±20%	216(180)	0.94	1.10
CDRR7D45T125NP-680MC	68±20%	324(270)	0.78	0.90
CDRR7D45T125NP-101MC	100±20%	468(390)	0.62	0.73
CDRR7D45T125NP-151MC	150±20%	660(550)	0.52	0.65
CDRR7D45T125NP-221MC	220±20%	996(830)	0.44	0.54
CDRR7D45T125NP-331MC	330±20%	1,380(1,150)	0.35	0.44
CDRR7D45T125NP-471MC	470±20%	2,160(1,800)	0.31	0.36

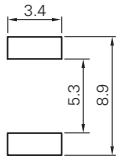
CDRH8D43R/T125



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDRH8D43R/T125 D.C.R.(mΩ) Max. (Typ.)	Isat (A)*B at 20°C Max.	Isat (A)*B at 125°C (Typ.)	Irms (A)*C Max. (Typ.)
CDRH8D43RT125NP-1R0NC	1.0±30%	9.70(7.80)	8.00	(6.00)	7.50(8.50)
CDRH8D43RT125NP-1R8NC	1.8±30%	12.1(9.70)	7.30	(5.80)	6.40(7.30)
CDRH8D43RT125NP-2R4NC	2.4±30%	14.0(11.2)	7.10	(5.60)	5.80(6.50)
CDRH8D43RT125NP-3R3NC	3.3±30%	16.3(13.0)	6.10	(4.70)	5.20(5.70)
CDRH8D43RT125NP-4R3NC	4.3±30%	23.5(18.8)	5.40	(4.20)	4.30(4.90)
CDRH8D43RT125NP-5R6NC	5.6±30%	26.9(21.5)	4.50	(3.50)	3.70(4.20)
CDRH8D43RT125NP-6R8NC	6.8±30%	29.8(23.9)	4.20	(3.30)	3.45(3.90)
CDRH8D43RT125NP-8R2NC	8.2±30%	40.8(32.6)	4.00	(3.20)	2.85(3.20)
CDRH8D43RT125NP-100MC	10±20%	45.0(36.0)	3.50	(2.75)	2.70(3.00)
CDRH8D43RT125NP-150MC	15±20%	61.8(49.4)	2.90	(2.30)	2.30(2.60)
CDRH8D43RT125NP-220MC	22±20%	77.6(62.0)	2.35	(1.85)	2.05(2.30)
CDRH8D43RT125NP-330MC	33±20%	123(98.5)	1.95	(1.55)	1.55(1.80)
CDRH8D43RT125NP-470MC	47±20%	186(149)	1.60	(1.30)	1.30(1.40)
CDRH8D43RT125NP-680MC	68±20%	288(231)	1.30	(1.05)	1.03(1.10)
CDRH8D43RT125NP-101MC	100±20%	353(282)	1.10	(0.87)	0.93(1.00)
CDRH8D43RT125NP-151MC	150±20%	575(460)	0.91	(0.72)	0.76(0.90)
CDRH8D43RT125NP-221MC	220±20%	861(689)	0.75	(0.60)	0.60(0.65)
CDRH8D43RT125NP-331MC	330±20%	1,330(1,068)	0.62	(0.50)	0.48(0.54)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Isat (Saturation Current) : "Isat (A)" that will cause nominal inductance value to drop approximately 35%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から10%低下する直流電流値。
*B Isat（直流重畳電流）: インダクタンスが公称値の35%低下する直流電流値。
*C Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

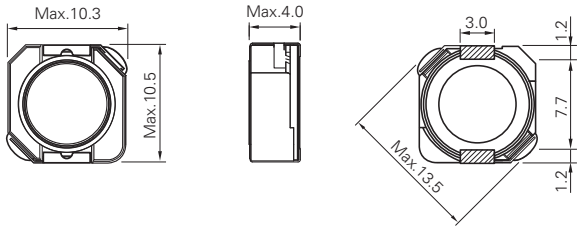
CDRR7D45/T125 0.6g
CDRH8D43R/T125 1.0g

Packing Quantity / 梱包数量

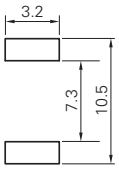
CDRR7D45/T125 1,000pcs/reel
CDRH8D43R/T125 500pcs/reel

CDRH104R/T125

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

●

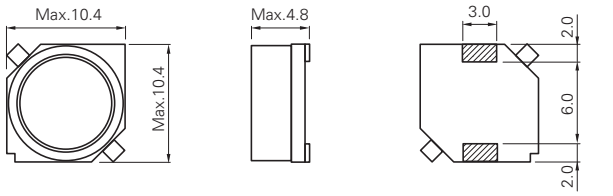
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

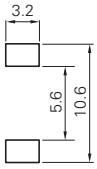
Part No.	L (μH)	CDRH104R/T125			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A at 20°C Max.	Isat (A)*A at 125°C (Typ.)	Irms (A)*C Max.
CDRH104RT125NP-1R4PC	1.4±25%	9.00(7.20)	9.20	(7.36)	7.80
CDRH104RT125NP-2R2PC	2.2±25%	11.0(8.80)	8.00	(6.16)	7.10
CDRH104RT125NP-3R6PC	3.6±25%	14.0(11.2)	6.07	(5.00)	6.20
CDRH104RT125NP-4R7PC	4.7±25%	19.1(15.3)	5.57	(4.60)	5.20
CDRH104RT125NP-6R8PC	6.8±25%	25.6(20.5)	4.66	(3.94)	4.40
CDRH104RT125NP-100MC	10±20%	36.8(29.5)	4.10	(3.46)	3.50
CDRH104RT125NP-150MC	15±20%	48.1(38.5)	3.34	(2.80)	2.90
CDRH104RT125NP-220MC	22±20%	78.8(63.0)	2.56	(2.18)	2.30
CDRH104RT125NP-330MC	33±20%	125(100)	2.14	(1.80)	2.05
CDRH104RT125NP-470MC	47±20%	163(130)	1.80	(1.51)	1.68
CDRH104RT125NP-560MC	56±20%	178(143)	1.70	(1.40)	1.45
CDRH104RT125NP-680MC	68±20%	216(173)	1.57	(1.32)	1.25
CDRH104RT125NP-101MC	100±20%	300(240)	1.30	(1.10)	1.05
CDRH104RT125NP-151MC	150±20%	448(358)	1.00	(0.85)	0.86
CDRH104RT125NP-221MC	220±20%	694(555)	0.85	(0.72)	0.68
CDRH104RT125NP-331MC	330±20%	1,060(850)	0.70	(0.58)	0.56

CDRR105

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

●

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDRR105			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*B Max.(Typ.) at 20°C	Isat (A)*B Max.(Typ.) at 125°C	Irms (A)*C Max. (Typ.)
CDRR105NP-3R3NC	3.3±30%	21.0(16.8)	4.80(6.00)	3.76(4.70)	4.90(5.60)
CDRR105NP-5R6MC	5.6±20%	29.6(23.7)	3.52(4.40)	2.88(3.60)	3.90(4.50)
CDRR105NP-100MC	10±20%	47.5(38.0)	2.48(3.10)	1.92(2.40)	3.00(3.42)
CDRR105NP-150MC	15±20%	63.8(51.0)	2.00(2.50)	1.56(1.95)	2.71(3.08)
CDRR105NP-220MC	22±20%	77.5(62.0)	1.66(2.08)	1.30(1.62)	2.35(2.70)
CDRR105NP-330MC	33±20%	105(84.0)	1.32(1.65)	1.00(1.25)	1.93(2.20)
CDRR105NP-470MC	47±20%	138(110)	1.12(1.40)	0.87(1.09)	1.70(1.92)
CDRR105NP-680MC	68±20%	195(156)	0.98(1.22)	0.70(0.87)	1.38(1.58)
CDRR105NP-101MC	100±20%	278(222)	0.80(1.00)	0.63(0.79)	1.16(1.33)
CDRR105NP-151MC	150±20%	425(340)	0.67(0.84)	0.52(0.65)	0.93(1.05)
CDRR105NP-221MC	220±20%	573(458)	0.51(0.64)	0.40(0.50)	0.76(0.87)
CDRR105NP-331MC	330±20%	848(678)	0.44(0.54)	0.34(0.42)	0.61(0.71)
CDRR105NP-471MC	470±20%	1,200(1,010)	0.38(0.48)	0.30(0.37)	0.54(0.62)
CDRR105NP-681MC	680±20%	1,820(1,520)	0.32(0.39)	0.24(0.30)	0.42(0.48)
CDRR105NP-102MC	1000±20%	2,710(2,260)	0.26(0.32)	0.20(0.24)	0.32(0.37)
CDRR105NP-152MC	1500±20%	4,000(3,330)	0.21(0.26)	0.16(0.20)	0.27(0.32)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から35%低下する直流電流値。
*B Isat（直流重畳電流）：インダクタンスが初期値から10%低下する直流電流値。
*C Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

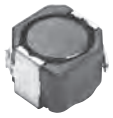
Weight (Ref.) / 重量(参考値)

CDRH104R/T125	1.5g
CDRR105	1.2g

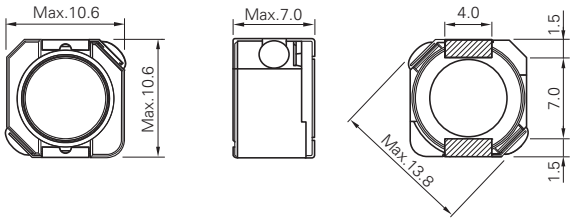
Packing Quantity / 梱包数量

CDRH104R/T125	1,000pcs/reel
CDRR105	500pcs/reel

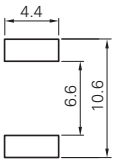
CDRH10D68R/T125



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

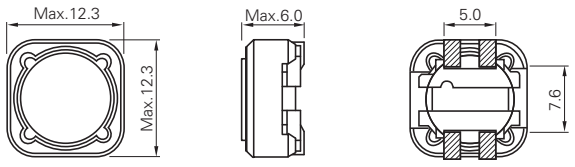
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

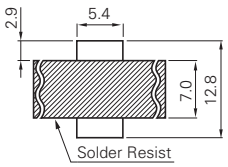
Part No.	L (μH)	CDRH10D68R/T125			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A at 20°C Max.	Isat (A)*A at 125°C (Typ.)	Irms (A)*B Max.
CDRH10D68RT125NP-1R5NC	1.5±30%	6.10(4.90)	11.0	(8.50)	10.5
CDRH10D68RT125NP-2R2NC	2.2±30%	7.10(5.70)	10.5	(7.50)	9.50
CDRH10D68RT125NP-3R3NC	3.3±30%	8.50(6.80)	7.80	(5.60)	8.30
CDRH10D68RT125NP-4R7NC	4.7±30%	9.90(7.90)	7.15	(5.17)	7.60
CDRH10D68RT125NP-6R2NC	6.2±30%	14.2(11.3)	5.95	(4.14)	6.45
CDRH10D68RT125NP-7R5NC	7.5±30%	16.4(13.0)	5.50	(3.89)	5.55
CDRH10D68RT125NP-100PC	10±25%	21.4(17.1)	4.40	(3.60)	4.40
CDRH10D68RT125NP-150PC	15±25%	30.6(24.5)	3.60	(2.85)	3.60
CDRH10D68RT125NP-220PC	22±25%	39.1(31.3)	3.10	(2.47)	3.10
CDRH10D68RT125NP-330PC	33±25%	59.1(47.3)	2.60	(1.85)	2.60
CDRH10D68RT125NP-470PC	47±25%	88.3(70.6)	2.00	(1.60)	2.00
CDRH10D68RT125NP-680PC	68±25%	125(100)	1.80	(1.24)	1.80
CDRH10D68RT125NP-101PC	100±25%	175(140)	1.50	(1.05)	1.50
CDRH10D68RT125NP-151PC	150±25%	250(200)	1.23	(0.86)	1.23
CDRH10D68RT125NP-221PC	220±25%	370(296)	1.00	(0.73)	1.00
CDRH10D68RT125NP-331PC	330±25%	465(372)	0.90	(0.55)	0.91
CDRH10D68RT125NP-471PC	470±25%	703(562)	0.68	(0.50)	0.72
CDRH10D68RT125NP-681PC	680±25%	1,030(828)	0.60	(0.40)	0.61
CDRH10D68RT125NP-102PC	1000±25%	1,560(1,253)	0.45	(0.33)	0.49

CDRH125/L125

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



* In order to prevent short-circuiting, a solder resist is recommended.
* ショート防止の為、ソルダレジスト推奨

WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDRH125/L125			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A at 20°C Max.	Isat (A)*A at 125°C (Typ.)	Irms (A)*B Max.
CDRH125L125NP-1R2NC	1.2±30%	8.50(6.80)	14.2	(11.6)	9.00
CDRH125L125NP-1R8NC	1.8±30%	10.6(8.50)	12.6	(10.1)	8.00
CDRH125L125NP-2R7NC	2.7±30%	12.8(10.2)	10.2	(8.20)	7.40
CDRH125L125NP-3R9NC	3.9±30%	15.0(12.0)	8.20	(6.70)	6.80
CDRH125L125NP-5R1NC	5.1±30%	17.5(14.0)	7.20	(5.90)	6.50
CDRH125L125NP-6R8NC	6.8±30%	20.0(16.0)	6.20	(4.90)	5.90
CDRH125L125NP-100MC	10±20%	25.0(20.0)	5.20	(4.10)	5.30
CDRH125L125NP-150MC	15±20%	33.8(27.0)	4.40	(3.50)	4.50
CDRH125L125NP-220MC	22±20%	39.5(31.5)	3.50	(2.81)	3.70
CDRH125L125NP-330MC	33±20%	59.0(47.0)	2.93	(2.38)	3.00
CDRH125L125NP-470MC	47±20%	93.0(74.0)	2.44	(2.00)	2.42
CDRH125L125NP-680MC	68±20%	131(105)	2.02	(1.65)	2.05
CDRH125L125NP-101MC	100±20%	166(133)	1.70	(1.37)	1.82
CDRH125L125NP-151MC	150±20%	271(217)	1.36	(1.11)	1.40
CDRH125L125NP-221MC	220±20%	394(315)	1.12	(0.90)	1.15
CDRH125L125NP-331MC	330±20%	674(539)	0.90	(0.73)	0.90
CDRH125L125NP-471MC	470±20%	858(686)	0.75	(0.61)	0.81
CDRH125L125NP-681MC	680±20%	1,220(1,020)	0.62	(0.50)	0.65
CDRH125L125NP-102MC	1000±20%	1,900(1,580)	0.52	(0.42)	0.50

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から35%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

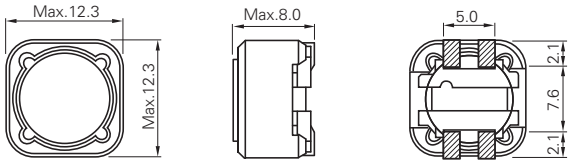
CDRH10D68R/T125	2.7g
CDRH125/L125	3.0g

Packing Quantity / 梱包数量

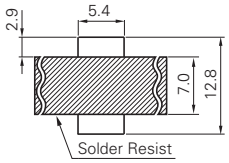
CDRH10D68R/T125	500pcs/reel
CDRH125/L125	500pcs/reel

CDRH127/L125

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



* In order to prevent short-circuiting, a solder resist is recommended.
* ショート防止の為、ソルダレジスト推奨

WIRE
線種

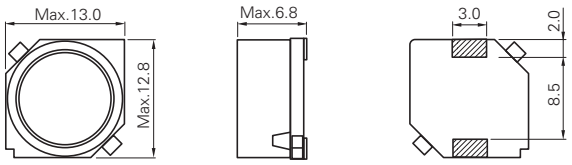
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

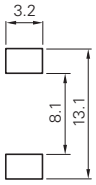
Part No.	L (μH)	CDRH127/L125			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A at 20°C Max.	Isat (A)*A at 125°C (Typ.)	Irms (A)*C Max.
CDRH127L125NP-2R7NC	2.7±30%	9.70(7.50)	15.5	(13.8)	9.00
CDRH127L125NP-3R6NC	3.6±30%	11.0(8.50)	13.8	(10.8)	8.30
CDRH127L125NP-4R7NC	4.7±30%	13.0(10.0)	12.3	(9.85)	7.80
CDRH127L125NP-6R2NC	6.2±30%	14.6(11.3)	10.2	(8.20)	7.50
CDRH127L125NP-7R5NC	7.5±30%	16.3(12.6)	9.20	(7.37)	7.00
CDRH127L125NP-100MC	10±20%	23.6(18.2)	8.40	(6.60)	6.00
CDRH127L125NP-150MC	15±20%	26.2(20.2)	6.40	(5.30)	5.60
CDRH127L125NP-220MC	22±20%	36.7(28.3)	5.60	(4.40)	4.60
CDRH127L125NP-330MC	33±20%	53.0(40.8)	4.30	(3.40)	3.80
CDRH127L125NP-470MC	47±20%	83.2(64.0)	3.90	(3.15)	3.10
CDRH127L125NP-680MC	68±20%	112(85.8)	3.10	(2.50)	2.60
CDRH127L125NP-101MC	100±20%	171(132)	2.60	(2.10)	2.00
CDRH127L125NP-151MC	150±20%	236(182)	2.10	(1.70)	1.80
CDRH127L125NP-221MC	220±20%	347(267)	1.75	(1.50)	1.40
CDRH127L125NP-331MC	330±20%	478(382)	1.42	(1.12)	1.18
CDRH127L125NP-471MC	470±20%	731(585)	1.20	(0.96)	0.95
CDRH127L125NP-681MC	680±20%	1,102(882)	0.98	(0.79)	0.75
CDRH127L125NP-102MC	1000±20%	1,495(1,196)	0.83	(0.66)	0.64

CDRR126

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDRR126			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*B Max.(Typ.) at 20°C	Isat (A)*B Max.(Typ.) at 125°C	Irms (A)*C Max. (Typ.)
CDRR126NP-7R0NC	7.0±30%	28.0(22.0)	5.00(6.25)	3.84(4.80)	4.62(5.30)
CDRR126NP-100MC	10±20%	33.0(26.0)	4.30(5.38)	3.32(4.15)	4.18(4.70)
CDRR126NP-150MC	15±20%	38.0(30.0)	3.68(4.60)	2.87(3.59)	3.73(4.25)
CDRR126NP-220MC	22±20%	45.0(36.0)	3.08(3.85)	2.26(2.82)	3.30(3.80)
CDRR126NP-330MC	33±20%	66.0(53.0)	2.28(2.85)	1.76(2.20)	2.65(3.20)
CDRR126NP-470MC	47±20%	80.0(64.0)	2.08(2.60)	1.56(1.95)	2.52(2.86)
CDRR126NP-680MC	68±20%	118(95.0)	1.68(2.10)	1.28(1.60)	2.00(2.30)
CDRR126NP-101MC	100±20%	166(133)	1.36(1.70)	1.03(1.29)	1.60(1.83)
CDRR126NP-151MC	150±20%	234(187)	1.10(1.37)	0.83(1.04)	1.33(1.53)
CDRR126NP-221MC	220±20%	371(297)	0.90(1.12)	0.71(0.89)	1.09(1.22)
CDRR126NP-331MC	330±20%	538(430)	0.77(0.98)	0.61(0.76)	0.88(1.00)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から35%低下する直流電流値。
*B Isat（直流重畳電流）：インダクタンスが初期値から10%低下する直流電流値。
*C Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

CDRH127/L125	4.0g
CDRR126	2.4g

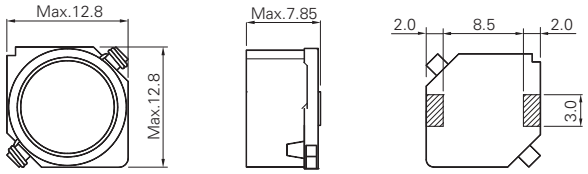
Packing Quantity / 梱包数量

CDRH127/L125	500pcs/reel
CDRR126	500pcs/reel

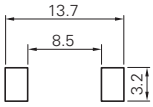
CDRR127

Operating Temperature Range
使用温度範囲:−40℃～+125℃

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Part No.	L (μH)	CDRR127		
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
CDRR127NP-1R0NC	1.0±30%	7.20(6.00)	19.0(24.5)	(10.5)
CDRR127NP-2R7NC	2.7±30%	9.96(8.30)	12.8(16.8)	(9.10)
CDRR127NP-3R3NC	3.3±30%	11.5(9.60)	11.0(13.8)	(8.20)
CDRR127NP-5R6NC	5.6±30%	13.9(11.6)	8.00(10.1)	(7.10)
CDRR127NP-6R8NC	6.8±30%	15.7(13.1)	7.20(9.00)	(6.70)
CDRR127NP-100MC	10±20%	18.7(15.6)	5.90(7.30)	(5.40)
CDRR127NP-150MC	15±20%	22.1(18.4)	4.80(6.10)	(5.00)
CDRR127NP-220MC	22±20%	31.6(26.3)	4.20(5.20)	(4.00)
CDRR127NP-330MC	33±20%	47.4(39.5)	3.30(4.20)	(3.50)
CDRR127NP-470MC	47±20%	63.4(52.8)	2.80(3.40)	(3.00)
CDRR127NP-680MC	68±20%	93.4(77.8)	2.10(2.70)	(2.40)
CDRR127NP-101MC	100±20%	150(125)	1.90(2.30)	(2.00)
CDRR127NP-151MC	150±20%	210(175)	1.50(1.90)	(1.60)
CDRR127NP-221MC	220±20%	310(258)	1.30(1.60)	(1.30)
CDRR127NP-331MC	330±20%	408(340)	1.10(1.30)	(1.10)
CDRR127NP-471MC	470±20%	665(554)	0.90(1.10)	(0.90)
CDRR127NP-681MC	680±20%	1,020(846)	0.70(0.90)	(0.70)
CDRR127NP-102MC	1000±20%	1,520(1,270)	0.60(0.80)	(0.57)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から10%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDRR127 3.7g

Packing Quantity / 梱包数量
CDRR127 400pcs/reel

SMD Shielded Type

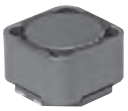
High-temperature Coupled Inductor (高温対応デュアルインダクタ)

Recommended application : Automotive

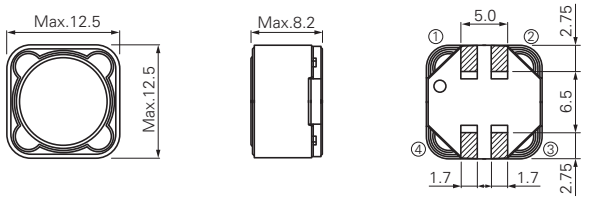
OUTLINE / 概要

2 in 1 package coil for Buck Boost converter (SEPIC and ZETA)
Complied with automotive reliability test standard AEC-Q200
Application : Power supply for LED,etc.
2個のコイルを1パッケージ（2 in 1構造）にしたコイルで、昇降圧コンバータ（SEPIC、ZETA）に使用可能
車載信頼性基準 AEC-Q200準拠
LED駆動用電源に最適。

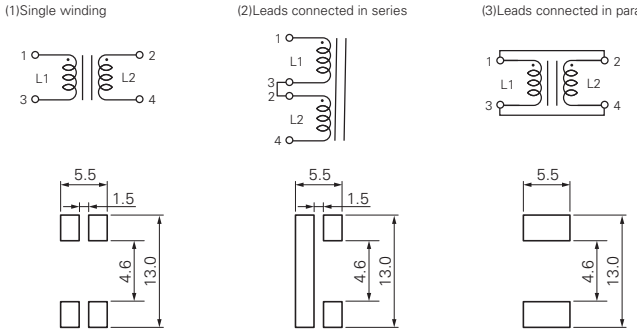
CDRCH12D78BT150



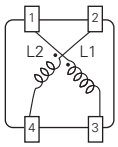
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+150℃

Part No.	※1 L (μH)	Single winding (Pin1 to Pin3 or Pin2 to Pin4)				Leads connected in series (Pin1 to Pin4, Pin2 and Pin3 short)				Leads connected in parallel (Pin1,2 to Pin3,4, Pin1 and Pin2, Pin3 and Pin4 short)			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 150°C	Irms (A)*B Max. (Typ.)	D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 150°C	Irms (A)*B Max. (Typ.)	D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 150°C	Irms (A)*B Max. (Typ.)
CDRCH12D78BT150NP-4R7NC	4.7	44.0(35.0)	12.8(15.0)	(12.1)	3.50(4.10)	88.0(70.0)	6.40(7.50)	(6.10)	2.40(2.90)	22.0(18.0)	12.8(15.0)	(12.1)	5.00(5.80)
CDRCH12D78BT150NP-6R8NC	6.8	55.0(44.0)	11.0(13.2)	(10.0)	3.20(3.70)	110(88.0)	5.50(6.60)	(5.00)	2.10(2.40)	28.0(22.0)	11.0(13.2)	(10.0)	4.50(5.20)
CDRCH12D78BT150NP-100MC	10	70.0(56.0)	9.60(11.2)	(8.40)	2.90(3.40)	140(112)	4.80(5.60)	(4.30)	2.00(2.30)	35.0(28.0)	9.60(11.2)	(8.40)	4.00(4.50)
CDRCH12D78BT150NP-150MC	15	79.0(63.0)	8.00(9.40)	(7.30)	2.70(3.10)	158(126)	4.00(4.70)	(3.70)	1.80(2.10)	40.0(32.0)	8.00(9.40)	(7.30)	3.80(4.30)
CDRCH12D78BT150NP-220MC	22	113(90.0)	6.40(7.60)	(6.00)	2.20(2.60)	226(180)	3.20(3.80)	(3.10)	1.50(1.70)	57.0(45.0)	6.40(7.60)	(6.00)	3.20(3.70)
CDRCH12D78BT150NP-330MC	33	180(144)	5.40(6.40)	(4.70)	1.70(2.10)	360(288)	2.70(3.20)	(2.60)	1.20(1.40)	90.0(72.0)	5.40(6.40)	(4.70)	2.50(2.90)
CDRCH12D78BT150NP-470MC	47	216(173)	4.40(5.20)	(4.10)	1.40(1.70)	432(346)	2.20(2.60)	(2.10)	1.00(1.20)	108(87.0)	4.40(5.20)	(4.10)	2.15(2.50)
CDRCH12D78BT150NP-680MC	68	312(250)	3.60(4.40)	(3.20)	1.20(1.50)	624(500)	1.80(2.20)	(1.60)	0.85(0.96)	156(125)	3.60(4.40)	(3.20)	1.85(2.15)
CDRCH12D78BT150NP-101MC	100	433(347)	3.00(3.60)	(2.60)	1.00(1.25)	866(694)	1.50(1.80)	(1.40)	0.67(0.77)	217(174)	3.00(3.60)	(2.60)	1.52(1.78)
CDRCH12D78BT150NP-151MC	150	718(575)	2.50(3.00)	(2.10)	0.70(0.90)	1,440(1,150)	1.20(1.50)	(1.10)	0.55(0.66)	359(288)	2.50(3.00)	(2.10)	1.16(1.35)
CDRCH12D78BT150NP-221MC	220	1,070(853)	2.00(2.40)	(1.80)	0.65(0.78)	2,140(1,700)	1.00(1.20)	(0.90)	0.45(0.54)	535(426)	2.00(2.40)	(1.80)	0.95(1.14)
CDRCH12D78BT150NP-331MC	330	1,550(1,240)	1.60(2.00)	(1.50)	0.56(0.63)	3,100(2,480)	0.80(1.00)	(0.70)	0.40(0.45)	775(620)	1.60(2.00)	(1.50)	0.80(0.91)
CDRCH12D78BT150NP-471MC	470	2,310(1,850)	1.40(1.60)	(1.10)	0.42(0.50)	4,630(3,700)	0.70(0.80)	(0.50)	0.30(0.35)	1,160(925)	1.40(1.60)	(1.10)	0.53(0.63)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

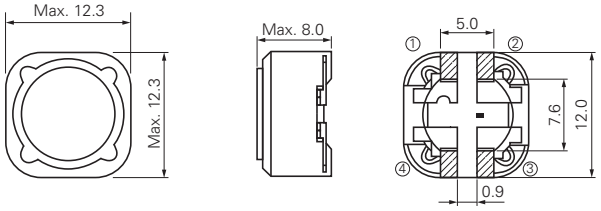
※1 Inductance : When leads are connected in parallel, inductance is the same value.
When leads are connected in series, inductance is four times the value.
※1 インダクタンス：直列接続時は表記の4倍、並列接続時は表記と同じ値になります。

Weight (Ref.) / 重量(参考値)
CDRCH12D78BT150 4.1g

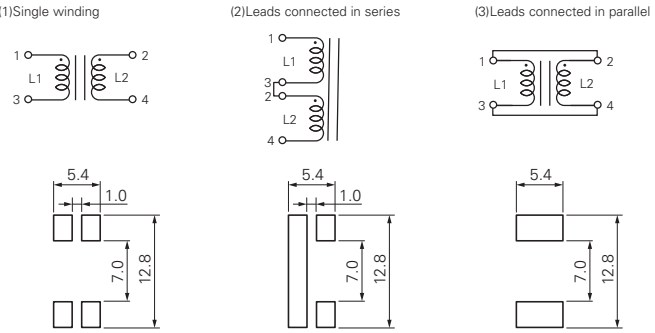
Packing Quantity / 梱包数量
CDRCH12D78BT150 500pcs/reel

CDRH127B

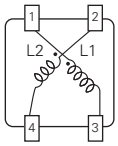
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	※1 L (μH)	Single winding (Pin1 to Pin3 or Pin2 to Pin4) D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.	Irms (A)*B (Typ.)	Leads connected in series (Pin1 to Pin4, Pin2 and Pin3 short) D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.	Irms (A)*B (Typ.)	Leads connected in parallel (Pin1,2 to Pin3,4, Pin1 and Pin2, Pin3 and Pin4 short) D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.	Irms (A)*B (Typ.)
CDRH127BNP-4R7NC	4.7	29.0(22.0)	10.0	(5.00)	58.0(44.0)	5.00	(3.50)	14.5(11.0)	10.0	(7.00)
CDRH127BNP-6R3NC	6.3	35.0(27.0)	8.20	(4.80)	70.0(54.0)	4.10	(3.40)	17.5(13.5)	8.20	(6.80)
CDRH127BNP-100NC	10	41.0(32.0)	7.00	(4.30)	82.0(64.0)	3.50	(3.20)	20.5(16.0)	7.00	(6.40)
CDRH127BNP-150PC	15	54.0(42.0)	6.00	(4.10)	108(84.0)	3.00	(2.70)	27.0(21.0)	6.00	(5.40)
CDRH127BNP-220PC	22	84.0(65.0)	5.00	(2.90)	168(130)	2.50	(2.10)	42.0(32.5)	5.00	(4.20)
CDRH127BNP-330PC	33	124(96.0)	4.00	(2.40)	248(192)	2.00	(1.70)	62.0(48.0)	4.00	(3.40)
CDRH127BNP-470PC	47	156(120)	3.30	(2.10)	312(240)	1.65	(1.50)	78.0(60.0)	3.30	(3.00)
CDRH127BNP-680PC	68	286(220)	2.70	(1.50)	572(440)	1.35	(1.10)	143(110)	2.70	(2.20)
CDRH127BNP-101PC	100	438(350)	2.30	(1.30)	876(700)	1.20	(0.90)	210(175)	2.30	(1.80)
CDRH127BNP-151PC	150	519(415)	1.70	(1.10)	1,040(830)	0.85	(0.70)	260(208)	1.70	(1.60)
CDRH127BNP-221PC	220	821(657)	1.50	(0.90)	1,640(1,310)	0.75	(0.60)	410(329)	1.50	(1.20)
CDRH127BNP-331PC	330	1,240(990)	1.20	(0.70)	2,480(1,980)	0.60	(0.50)	620(495)	1.20	(1.00)
CDRH127BNP-471PC	470	1,880(1,500)	0.90	(0.60)	3,760(3,000)	0.45	(0.40)	1,880(755)	0.90	(0.80)

single winding : Pin1 to Pin3 or Pin2 to Pin4.

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

※1 Inductance : When leads are connected in parallel, inductance is the same value.
When leads are connected in series, inductance is four times the value.
※1 インダクタンス : 直列接続時は表記の4倍、並列接続時は表記と同じ値になります。

Weight (Ref.) / 重量(参考値)
CDRH127B 4.0g

Packing Quantity / 梱包数量
CDRH127B 500pcs/reel

SMD Non-Shielded Type

Ferrite inductor CD**/CDH**125ºC Series（車載用高温対応インダクタ）

High temperature resistance up to 125ºC (Including self-heating)

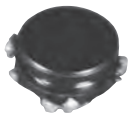
Recommended application : Automotive

OUTLINE / 概要

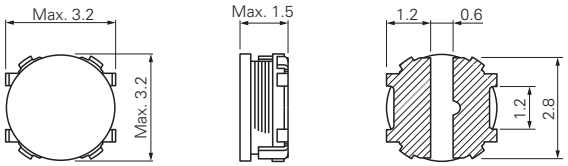
Suitable for DC/DC converter required for high temperature resistance and high reliability application
Complied with automotive reliability test standard AEC-Q200

高温・高信頼性の要求されるDC/DCコンバータに最適です。
車載信頼性基準 AEC-Q200準拠

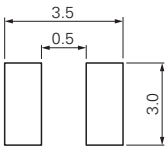
CDH30D14/H125



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

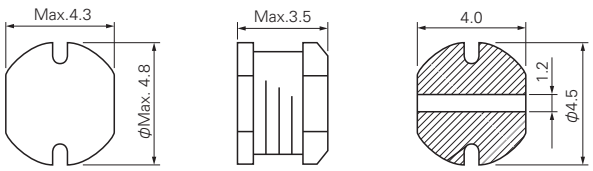
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃〜+125℃

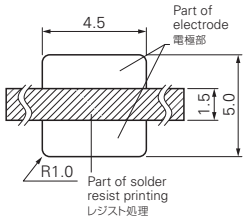
Part No.	L (μH)	CDH30D14/H125 D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 125°C	Irms (A)*C Max. (Typ.)
CDH30D14H125NP-1R0MC	1.0±20%	68.8(55.0)	2.70(3.65)	2.20(2.85)	1.97(2.30)
CDH30D14H125NP-2R2MC	2.2±20%	131(105)	1.90(2.46)	1.50(1.93)	1.40(1.60)
CDH30D14H125NP-3R3MC	3.3±20%	194(155)	1.50(1.86)	1.30(1.52)	1.12(1.30)
CDH30D14H125NP-4R7MC	4.7±20%	250(200)	1.30(1.64)	1.10(1.34)	1.05(1.20)
CDH30D14H125NP-5R6MC	5.6±20%	313(250)	1.10(1.43)	0.95(1.15)	0.77(0.90)
CDH30D14H125NP-6R8MC	6.8±20%	438(350)	1.00(1.33)	0.80(1.07)	0.68(0.78)
CDH30D14H125NP-100MC	10.0±20%	650(520)	0.95(1.12)	0.70(0.85)	0.57(0.64)

CD43/T125

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃〜+125℃

Part No.	L (μH)	CD43/T125 D.C.R.(mΩ) Max. (Typ.)	Isat (A)*B Max.(Typ.) at 20°C	Irms (A)*C Max. (Typ.)
CD43T125NP-1R0MC	1.0±20%	48.7(24.0)	5.20(6.50)	2.70(3.50)
CD43T125NP-1R4MC	1.4±20%	56.2(27.6)	4.80(6.00)	2.50(3.30)
CD43T125NP-1R8MC	1.8±20%	63.7(32.0)	4.40(5.50)	2.33(3.00)
CD43T125NP-2R2MC	2.2±20%	71.2(36.5)	4.00(5.00)	2.25(2.80)
CD43T125NP-2R7MC	2.7±20%	78.7(40.7)	3.60(4.50)	2.16(2.70)
CD43T125NP-3R3MC	3.3±20%	86.2(45.2)	3.20(4.00)	2.00(2.50)
CD43T125NP-3R9MC	3.9±20%	93.7(62.3)	3.00(3.80)	1.84(2.30)
CD43T125NP-4R7MC	4.7±20%	109(73.5)	2.60(3.20)	1.62(2.20)
CD43T125NP-5R6MC	5.6±20%	126(80.2)	2.40(3.00)	1.48(2.00)
CD43T125NP-6R8MC	6.8±20%	131(92.4)	2.10(2.60)	1.43(1.90)
CD43T125NP-8R2MC	8.2±20%	146(106)	2.00(2.50)	1.37(1.70)
CD43T125NP-100MC	10±20%	182(126)	1.04(1.60)	1.20(1.50)
CD43T125NP-120MC	12±20%	210(140)	0.97(1.30)	1.10(1.45)
CD43T125NP-150MC	15±20%	235(163)	0.85(1.20)	1.00(1.40)
CD43T125NP-180MC	18±20%	338(221)	0.74(1.00)	0.90(1.20)
CD43T125NP-220MC	22±20%	378(251)	0.68(0.90)	0.80(1.10)
CD43T125NP-270MC	27±20%	522(330)	0.62(0.80)	0.70(0.95)
CD43T125NP-330KC	33±10%	540(379)	0.56(0.70)	0.65(0.90)
CD43T125NP-390KC	39±10%	587(419)	0.52(0.65)	0.60(0.80)
CD43T125NP-470KC	47±10%	844(587)	0.44(0.60)	0.55(0.70)
CD43T125NP-560KC	56±10%	937(651)	0.42(0.50)	0.50(0.65)
CD43T125NP-680KC	68±10%	1,120(736)	0.37(0.45)	0.45(0.60)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から30%低下する直流電流値。
*B Isat（直流重畳電流）：インダクタンスが初期値から10%低下する直流電流値。
*C Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

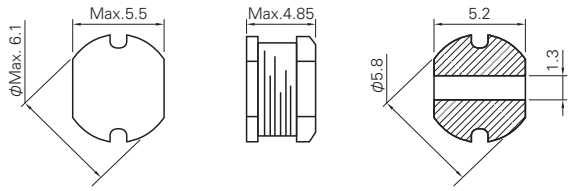
CDH30D14/H125 0.42g
CD43/T125 0.17g

Packing Quantity / 梱包数量

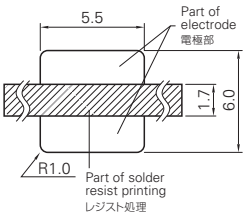
CDH30D14/H125 1,000pcs/reel
CD43/T125 1,500pcs/reel

CD54/T125

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

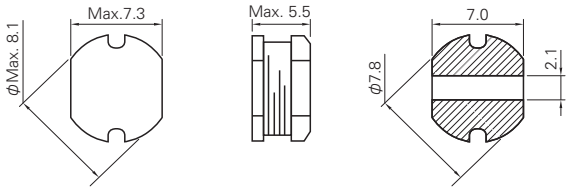
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃〜+125℃

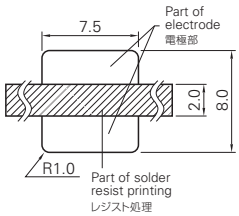
Part No.	L (μH)	CD54/T125 D.C.R.(mΩ) Max. (Typ.)	CD54/T125 Isat (A)*A Max.(Typ.) at 20°C	CD54/T125 Irms (A)*B Max. (Typ.)
CD54T125NP-100MC	10±20%	100(55.0)	1.55(1.94)	2.23(2.55)
CD54T125NP-120MC	12±20%	120(61.0)	1.46(1.82)	2.15(2.45)
CD54T125NP-150MC	15±20%	140(85.0)	1.26(1.58)	1.88(2.15)
CD54T125NP-180MC	18±20%	150(93.0)	1.19(1.49)	1.68(1.93)
CD54T125NP-220MC	22±20%	180(123)	1.15(1.44)	1.52(1.75)
CD54T125NP-270MC	27±20%	200(139)	1.02(1.28)	1.44(1.65)
CD54T125NP-330LC	33±15%	230(162)	0.93(1.16)	1.29(1.47)
CD54T125NP-390LC	39±15%	320(218)	0.82(1.02)	1.10(1.27)
CD54T125NP-470LC	47±15%	370(247)	0.73(0.91)	1.05(1.21)
CD54T125NP-560KC	56±10%	420(278)	0.70(0.88)	1.00(1.15)
CD54T125NP-680KC	68±10%	460(318)	0.64(0.80)	0.98(1.12)
CD54T125NP-820KC	82±10%	600(400)	0.57(0.71)	0.84(0.97)
CD54T125NP-101KC	100±10%	700(470)	0.52(0.65)	0.76(0.87)
CD54T125NP-121KC	120±10%	930(630)	0.48(0.60)	0.65(0.74)
CD54T125NP-151KC	150±10%	1,100(720)	0.44(0.55)	0.62(0.72)
CD54T125NP-181KC	180±10%	1,380(950)	0.40(0.50)	0.54(0.61)
CD54T125NP-221KC	220±10%	1,570(1,080)	0.36(0.45)	0.52(0.59)

CD75/T125

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃〜+125℃

Part No.	L (μH)	CD75/T125 D.C.R.(mΩ) Max. (Typ.)	CD75/T125 Isat (A)*A Max.(Typ.) at 20°C	CD75/T125 Irms (A)*B Max. (Typ.)
CD75T125NP-100KC	10±10%	70.0(42.0)	2.24(2.80)	2.80(3.18)
CD75T125NP-120KC	12±10%	80.0(48.0)	1.96(2.45)	2.78(3.15)
CD75T125NP-150KC	15±10%	90.0(56.0)	1.73(2.16)	2.67(3.02)
CD75T125NP-180KC	18±10%	100(63.0)	1.60(2.00)	2.45(2.80)
CD75T125NP-220KC	22±10%	110(70.0)	1.44(1.80)	2.32(2.63)
CD75T125NP-270KC	27±10%	120(82.0)	1.33(1.66)	2.16(2.46)
CD75T125NP-330KC	33±10%	130(97.0)	1.21(1.51)	2.07(2.35)
CD75T125NP-390KC	39±10%	160(117)	1.11(1.39)	1.80(2.05)
CD75T125NP-470KC	47±10%	180(127)	1.01(1.26)	1.71(1.95)
CD75T125NP-560KC	56±10%	240(173)	0.98(1.22)	1.52(1.72)
CD75T125NP-680KC	68±10%	280(207)	0.85(1.06)	1.29(1.48)
CD75T125NP-820KC	82±10%	370(268)	0.76(0.95)	1.18(1.34)
CD75T125NP-101KC	100±10%	430(306)	0.72(0.90)	1.14(1.29)
CD75T125NP-121KC	120±10%	470(337)	0.70(0.87)	1.02(1.17)
CD75T125NP-151KC	150±10%	640(480)	0.58(0.73)	0.87(0.96)
CD75T125NP-181KC	180±10%	710(550)	0.50(0.63)	0.81(0.93)
CD75T125NP-221KC	220±10%	960(710)	0.49(0.61)	0.70(0.80)
CD75T125NP-271KC	270±10%	1,110(810)	0.43(0.54)	0.64(0.74)
CD75T125NP-331KC	330±10%	1,260(930)	0.41(0.51)	0.63(0.72)
CD75T125NP-391KC	390±10%	1,770(1,220)	0.38(0.47)	0.54(0.64)
CD75T125NP-471KC	470±10%	1,960(1,370)	0.34(0.43)	0.52(0.60)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から10%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

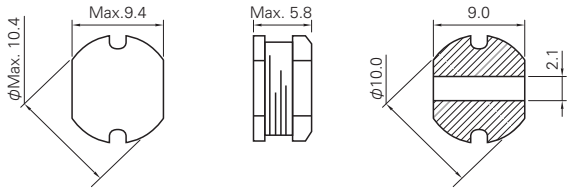
Weight (Ref.) / 重量(参考値)
CD54/T125 0.42g
CD75/T125 0.77g

Packing Quantity / 梱包数量
CD54/T125 1,500pcs/reel
CD75/T125 500pcs/reel

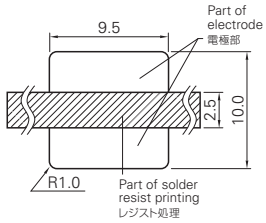
CD105/T125

Operating Temperature Range
使用温度範囲:−40℃～+125℃

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Part No.	L (μH)	CD105/T125		
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B Max. (Typ.)
CD105T125NP-100MC	10±20%	60.0(30.0)	3.20(4.00)	3.47(4.00)
CD105T125NP-120MC	12±20%	70.0(37.0)	2.83(3.54)	3.37(3.93)
CD105T125NP-150MC	15±20%	80.0(43.0)	2.54(3.17)	3.10(3.57)
CD105T125NP-180MC	18±20%	90.0(46.0)	2.40(3.00)	3.00(3.50)
CD105T125NP-220MC	22±20%	100(57.0)	2.13(2.66)	2.90(3.30)
CD105T125NP-270MC	27±20%	110(71.0)	1.96(2.45)	2.50(2.84)
CD105T125NP-330MC	33±20%	120(83.0)	1.76(2.20)	2.25(2.58)
CD105T125NP-390MC	39±20%	140(91.0)	1.62(2.02)	2.24(2.55)
CD105T125NP-470KC	47±10%	170(112)	1.54(1.92)	1.99(2.25)
CD105T125NP-560KC	56±10%	190(127)	1.45(1.81)	1.80(2.06)
CD105T125NP-680KC	68±10%	220(152)	1.32(1.65)	1.55(1.80)
CD105T125NP-820KC	82±10%	250(176)	1.20(1.50)	1.54(1.76)
CD105T125NP-101KC	100±10%	350(242)	1.05(1.31)	1.23(1.42)
CD105T125NP-121KC	120±10%	400(274)	0.98(1.22)	1.20(1.40)
CD105T125NP-151KC	150±10%	470(294)	0.88(1.10)	1.05(1.20)
CD105T125NP-181KC	180±10%	630(430)	0.79(0.99)	0.98(1.12)
CD105T125NP-221KC	220±10%	730(500)	0.71(0.89)	0.87(1.01)
CD105T125NP-271KC	270±10%	970(670)	0.65(0.81)	0.72(0.83)
CD105T125NP-331KC	330±10%	1,150(780)	0.58(0.72)	0.67(0.76)
CD105T125NP-391KC	390±10%	1,300(880)	0.50(0.63)	0.56(0.65)
CD105T125NP-471KC	470±10%	1,480(1,000)	0.48(0.60)	0.53(0.61)
CD105T125NP-561KC	560±10%	1,900(1,280)	0.45(0.56)	0.52(0.59)
CD105T125NP-681KC	680±10%	2,250(1,480)	0.42(0.52)	0.48(0.56)
CD105T125NP-821KC	820±10%	2,550(1,690)	0.38(0.48)	0.47(0.54)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から10%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CD105/T125 1.5g

Packing Quantity / 梱包数量
CD105/T125 500pcs/reel

AEC-Q200 Qualified Class D Amplifier Inductor

Ferrite Inductor C2DEP/CDEPI/CDEPH series (デジタルアンプ用インダクタ)

Recommended application : Automotive infotainment etc.

OUTLINE / 概要

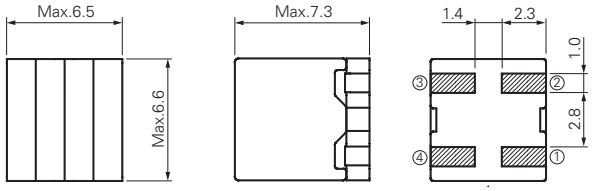
PCB mount-space saving "2 in 1" type and high current single type are available.
Covering operational temperature range is - 40°C ～ +125°C.
Complied with automotive reliability test standard AEC-Q200

実装省スペース2 in 1タイプ、大電流シングルタイプをラインナップ。
使用温度範囲:−40℃ ～ +125℃
車載信頼性基準 AEC-Q200準拠

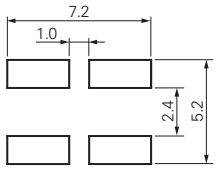
C2DEPI60D70

PROVISIONAL

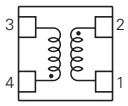
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



BOTTOM VIEW
裏面図

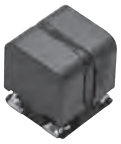
WIRE
線種

CONSTRUCTION
磁気構造図

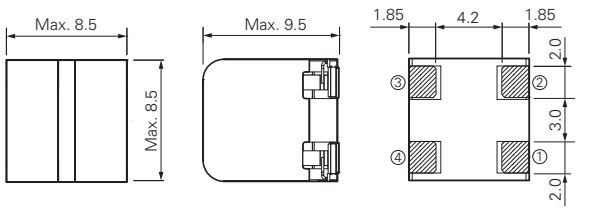
Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	C2DEPI60D70 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A (Typ.)	Irms (A)*B (Typ.)
C2DEPI60D70NP-3R3MC	3.3±20%	24.0(20.0)	(6.40)	(4.20)

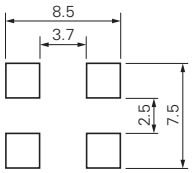
C2DEPIH80D90



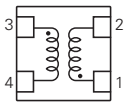
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



BOTTOM VIEW
裏面図

WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	C2DEPIH80D90 D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
C2DEPIH80D90NP-3R3MC	3.3±20%	13.4(10.7)	9.00(11.3)	(6.20)
C2DEPIH80D90NP-8R2MC	8.2±20%	21.3(17.0)	4.90(6.10)	(5.00)
C2DEPIH80D90NP-100MC	10±20%	21.3(17.0)	4.00(5.10)	(5.00)
C2DEPIH80D90NP-150MC	15±20%	46.4(37.1)	3.80(4.80)	(3.00)
C2DEPIH80D90NP-220MC	22±20%	46.4(37.1)	2.70(3.40)	(3.00)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 25%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から25%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

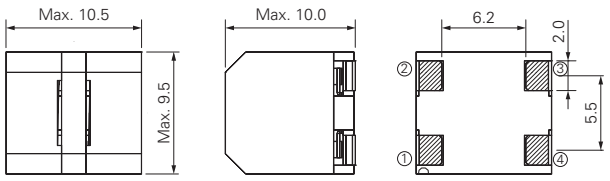
Weight (Ref.) / 重量(参考値)
C2DEPI60D70 1.0g
C2DEPIH80D90 2.16g

Packing Quantity / 梱包数量
C2DEPI60D70 500pcs/reel
C2DEPIH80D90 350pcs/reel

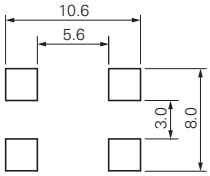
About C2DEPI60D70 / C2DEPI60D70 について
This specification is subject to change due to ongoing dvelopment when this catalog was printed.
本仕様は開発中につき、製品の改善等により記載内容を予告なく変更することがありますので、ご了承下さい。

CDEPI99

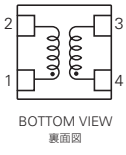
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



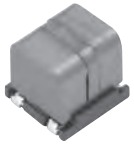
WIRE
線種

CONSTRUCTION
磁気構造図

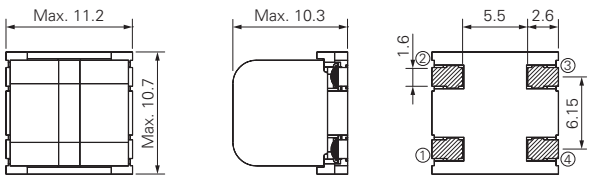
Operating Temperature Range
使用温度範囲:−40℃~+105℃

Part No.	L (μH)	CDEPI99		
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.)	Irms (A)*B Max. (Typ.)
CDEPI99NP-5R0PC	5.0±25%	13.0(10.0)	7.16(8.95)	7.10(8.10)
CDEPI99NP-100MC	10±20%	26.0(21.0)	5.24(6.55)	4.20(4.80)
CDEPI99NP-120MC	12±20%	29.0(23.0)	4.68(5.85)	4.10(4.70)
CDEPI99NP-150MC	15±20%	29.0(23.0)	3.92(4.90)	4.10(4.70)
CDEPI99NP-180MC	18±20%	29.0(23.0)	3.31(4.14)	4.10(4.70)
CDEPI99NP-220MC	22±20%	29.0(23.0)	2.82(3.52)	4.10(4.70)

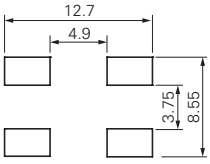
C2DEPIH10D98



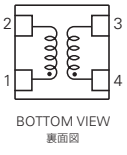
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃~+125℃

Part No.	L (μH)	C2DEPIH10D98		
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B Max. (Typ.)
C2DEPIH10D98NP-1R0MC	1.0±20%	6.30(5.00)	16.0(20.0)	10.4(11.8)
C2DEPIH10D98NP-3R3MC	3.3±20%	10.0(8.00)	9.60(12.0)	8.50(9.50)
C2DEPIH10D98NP-5R0MC	5.0±20%	12.5(10.0)	7.60(9.50)	7.00(8.00)
C2DEPIH10D98NP-100MC	10±20%	26.0(21.5)	5.20(6.50)	4.00(4.50)
C2DEPIH10D98NP-150MC	15±20%	28.7(23.0)	4.00(5.00)	3.80(4.30)
C2DEPIH10D98NP-220MC	22±20%	28.7(23.0)	2.80(3.50)	3.80(4.30)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 25%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から25%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

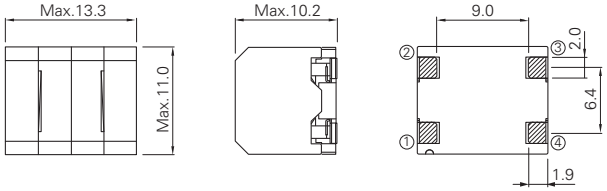
CDEPI99	3.25g
C2DEPIH10D98	3.8g

Packing Quantity / 梱包数量

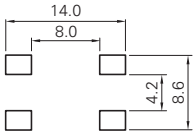
CDEPI99	250pcs/reel
C2DEPIH10D98	250pcs/reel

C2DEP1010

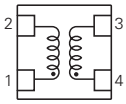
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



BOTTOM VIEW
裏面図

WIRE
線種

CONSTRUCTION
磁気構造図

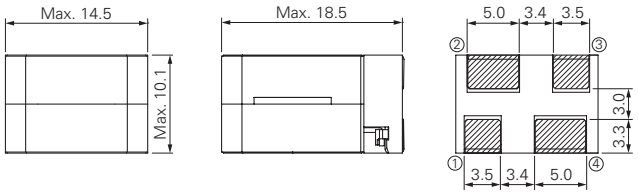
Operating Temperature Range
使用温度範囲:−40℃～+105℃

AEC-Q200準拠

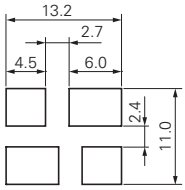
Part No.	L (μH)	C2DEP1010 D.C.R.(mΩ) Max. (Typ.)	C2DEP1010 Isat (A)*A Max.(Typ.)	C2DEP1010 Irms (A)*B Max. (Typ.)
C2DEP1010NP-100MC-120	10±20%	14.0(11.0)	6.20(7.30)	6.50(7.60)
C2DEP1010NP-120MC-120	12±20%	18.0(15.0)	6.00(7.00)	5.70(6.50)
C2DEP1010NP-150MC-120	15±20%	20.0(16.0)	5.40(6.10)	5.40(6.20)
C2DEP1010NP-180MC-120	18±20%	25.0(21.0)	4.80(5.80)	5.00(5.60)
C2DEP1010NP-220MC-120	22±20%	27.0(22.0)	4.30(5.10)	4.90(5.50)

CDEPH9817

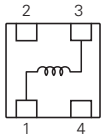
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



2,4 NC

BOTTOM VIEW
裏面図

WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

AEC-Q200準拠

Part No.	L (μH)	CDEPH9817 D.C.R.(mΩ) Max. (Typ.) at 20°C	CDEPH9817 Isat (A)*A Max.(Typ.) at 20°C	CDEPH9817 Irms (A)*B Max. (Typ.)
CDEPH9817NP-150M	15±20%	10.2(8.50)	10.0(12.5)	10.0(11.6)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 25%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から25%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

C2DEP1010 5.2g
CDEPH9817 9.85g

Packing Quantity / 梱包数量

C2DEP1010 250pcs/reel
CDEPH9817 200pcs/box(50pcs/pallet: 4pallet/box)

Class D Amplifier inductor for LPF

Ferrite inductor DEP**/CDEP**/C2DEP**/CDRH**D**series (デジタルアンプ用インダクタ)

Recommended application : Home theater and large LCD etc.

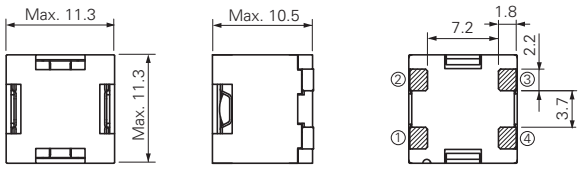
OUTLINE / 概要

PCB mount-space saving "2 in 1" type, high current single type and power inductor type are available.
Suitable for LPF of class Damplifier.

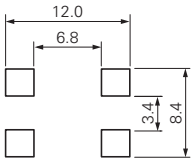
実装省スペース2 in 1タイプ、大電流タイプ、パワーインダクタタイプをラインナップ。
ホームシアター、大型液晶テレビ等のD級アンプのLPF用のインダクタとして最適です。

CDEPI106

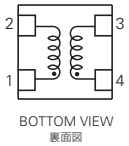
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



WIRE
線種

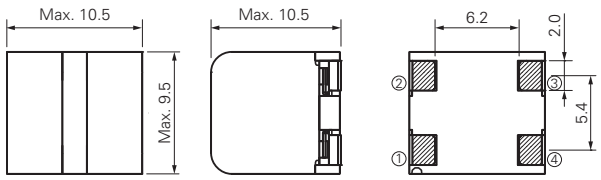
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

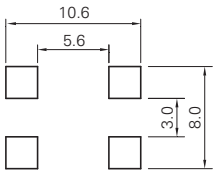
Part No.	L (μH)	CDEPI106			
		D.C.R.(mΩ) Max. (Typ.) (1-2)(4-3)	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 105°C	Irms (A)*B Max. (Typ.)
CDEPI106NP-100	10μ±25%	28.8(23.0)	4.90(5.90)	4.50(4.70)	(4.60)
CDEPI106NP-150	15μ±25%	28.8(23.0)	3.50(4.10)	3.00(3.40)	(4.60)
CDEPI106NP-220	22μ±30%	28.8(23.0)	2.20(2.50)	1.90(2.10)	(4.60)

C2DEPIH99

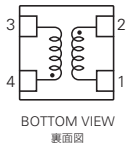
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	C2DEPIH99			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max. (Typ.) (1-2);(3-4) at 20°C	Isat (A)*A Max. (Typ.) (1-2);(3-4) at 105°C	Irms (A)*C (Typ.) (1-2);(3-4)
C2DEPIH99NP-3R3MC	3.3±20%	9.40(7.50)	10.0(11.8)	7.60(9.00)	(8.50)
C2DEPIH99NP-100MC	10±20%	28.0(22.5)	6.10(7.20)	4.20(5.00)	(4.70)
C2DEPIH99NP-150MC	15±20%	29.0(23.5)	4.30(5.10)	3.40(4.00)	(4.60)
C2DEPIH99NP-220MC	22±20%	29.0(23.5)	2.90(3.40)	2.10(2.50)	(4.60)

Other / その他

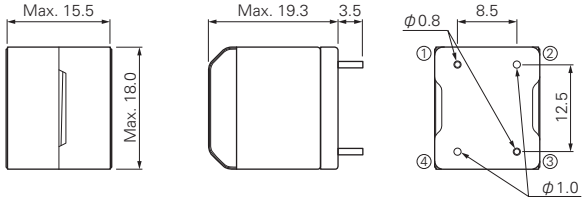
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 25%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C, 105°C)
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から25%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃、105℃)
*C Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDEPI106 3.6g
C2DEPIH99 3.4g

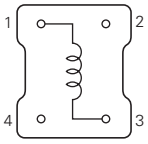
Packing Quantity / 梱包数量
CDEPI106 250pcs/reel
C2DEPIH99 250pcs/reel

DEP1519

DIMENSIONS (mm)
外形寸法図



CONNECTION
端子接続



BOTTOM VIEW
裏面図

WIRE
線種

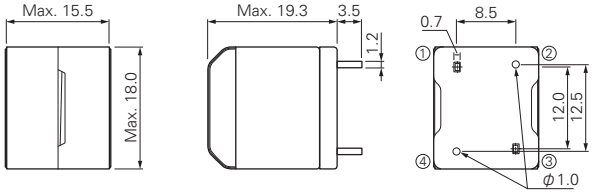
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃〜+125℃

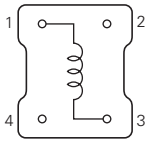
Part No.	L (μH)	DEP1519 D.C.R.(mΩ) Max. (Typ.) at 20°C	DEP1519 Isat (A)*A Max.(Typ.)	DEP1519 Irms (A)*B (Typ.)
DEP1519HF-100M	10.0±20%	16.6(13.3)	26.0(32.7)	(7.80)
DEP1519HF-150M	15.0±20%	16.6(13.3)	18.8(23.5)	(7.80)
DEP1519HF-220M	22.0±20%	16.6(13.3)	13.2(16.5)	(7.80)
DEP1519HF-330M	33.0±20%	16.6(13.3)	9.40(11.8)	(7.80)

DEP1519B

DIMENSIONS (mm)
外形寸法図



CONNECTION
端子接続



BOTTOM VIEW
裏面図

WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃〜+125℃

Part No.	L (μH)	DEP1519B D.C.R.(mΩ) Max. (Typ.) at 20°C	DEP1519B Isat (A)*A Max.(Typ.)	DEP1519B Irms (A)*B Max. (Typ.)
DEP1519BHF-100M	10.0±20%	10.7(9.20)	26.0(32.7)	10.0(11.2)
DEP1519BHF-150M	15.0±20%	10.7(9.20)	18.8(23.5)	10.0(11.2)
DEP1519BHF-220M	22.0±20%	10.7(9.20)	13.2(16.5)	10.0(11.2)
DEP1519BHF-330M	33.0±20%	10.7(9.20)	9.40(11.8)	10.0(11.2)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 25%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から25%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

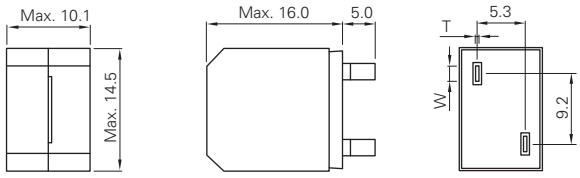
DEP1519 19g
DEP1519B 19g

Packing Quantity / 梱包数量

DEP1519 200pcs/box(50pcs/pallet:4pallet/box)
DEP1519B 200pcs/box(50pcs/pallet:4pallet/box)

DEP1016

DIMENSIONS (mm)
外形寸法図



Size

No.	L (μH)	T (mm)	W (mm)
1	5.0	Max. 0.90	Max. 2.0
2	10.0	Max. 0.80	Max. 2.0
3	15.0	Max. 0.80	Max. 2.0
4	18.0	Max. 0.75	Max. 2.0
5	22.0	Max. 0.75	Max. 2.0
6	27.0	Max. 0.70	Max. 2.0
7	33.0	Max. 0.65	Max. 2.0

WIRE
線種

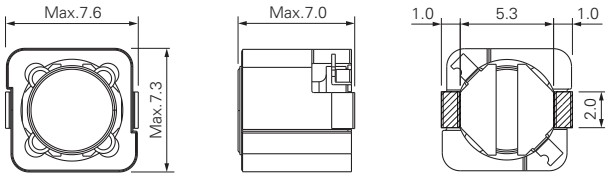
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

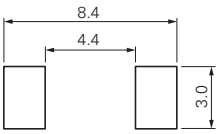
Part No.	L (μH)	DEP1016 D.C.R.(mΩ) Max. at 20°C	DEP1016 Isat (A)*A Max.(Typ.)	DEP1016 Irms (A)*C (Typ.)
DEP1016NP-5R0PB	5.0±25%	5.10	18.2(22.8)	(15.6)
DEP1016NP-100PB	10±25%	9.10	13.4(17.0)	(13.2)
DEP1016NP-150PB	15±25%	9.10	8.70(10.7)	(13.2)
DEP1016NP-180PB	18±25%	10.1	7.90(9.80)	(11.0)
DEP1016NP-220PB	22±25%	11.4	7.20(9.00)	(9.50)
DEP1016NP-270PB	27±25%	13.8	6.60(8.30)	(8.50)
DEP1016NP-330PB	33±25%	15.0	5.80(7.20)	(8.10)

CDRH68D65

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDRH68D65 D.C.R.(mΩ) Max. (Typ.) at 25°C	CDRH68D65 Isat (A)*B Max.(Typ.) at 25°C	CDRH68D65 Irms (A)*C Max. (Typ.)
CDRH68D65NP-4R7PC	4.7±25%	28.0(22.0)	4.70(5.80)	3.60(4.10)
CDRH68D65NP-6R8PC	6.8±25%	34.0(27.0)	4.00(5.00)	3.20(3.70)
CDRH68D65NP-100MC	10±20%	43.0(34.0)	3.20(4.00)	2.90(3.60)
CDRH68D65NP-150MC	15±20%	69.0(55.0)	2.70(3.40)	2.20(2.60)
CDRH68D65NP-180MC	18±20%	85.0(68.0)	2.40(3.00)	1.90(2.20)
CDRH68D65NP-220MC	20±20%	105(84.0)	2.20(2.80)	1.60(2.00)
CDRH68D65NP-330MC	33±20%	172(137)	1.70(2.20)	1.30(1.60)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 25%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から25%低下する直流電流値。
*B Isat（直流重畳電流）: インダクタンスが初期値から30%低下する直流電流値。
*C Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

DEP1016	8.79g
CDRH68D65	1.13g

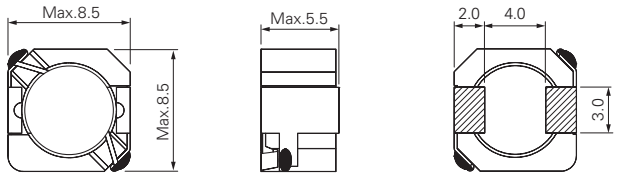
Packing Quantity / 梱包数量

DEP1016	1,000pcs/box(100pcs/pallet;10pallet/box)
CDRH68D65	750pcs/reel

CDRH80D50

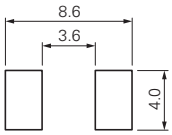
Operating Temperature Range
使用温度範囲:−40℃～+105℃

DIMENSIONS (mm)
外形寸法図



Part No.	L (μH)	CDRH80D50		
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A (Typ.) at 20°C	Irms (A)*B (Typ.)
CDRH80D50NP-100MC	10±20%	48.8(39.0)	(6.20)	(3.10)
CDRH80D50NP-150MC	15±20%	80.0(64.0)	(5.00)	(2.40)
CDRH80D50NP-220MC	22±20%	129(103)	(3.90)	(1.80)
CDRH80D50NP-330MC	33±20%	200(160)	(3.30)	(1.60)
CDRH80D50NP-470MC	47±20%	259(207)	(2.70)	(1.30)
CDRH80D50NP-680MC	68±20%	375(300)	(2.30)	(1.10)
CDRH80D50NP-101MC	100±20%	573(458)	(1.90)	(0.85)

LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から35%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDRH80D50 1.32g

Packing Quantity / 梱包数量
CDRH80D50 1,000pcs/reel

SMD Shielded Type
Low Leakage Flux Type (低漏洩磁束タイプインダクタ)

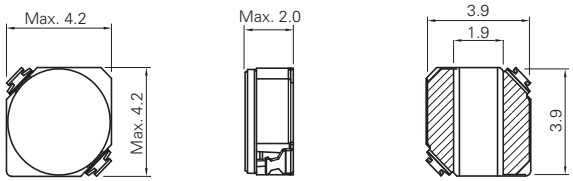
OUTLINE / 概要

This series of inductors succeed in much lower flux leakage than a traditional sheild structure.
(It is suitable for using at a flux leakage impact)
Application : Car navigation system and Digital camera.

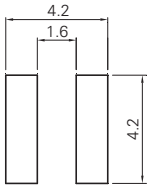
従来の閉磁構造タイプよりもさらに漏れ磁束が少ない構造設計。
カーナビゲーションや一眼レフカメラなど、漏れ磁束が影響を及ぼす箇所に最適です。

CDPH40D18

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

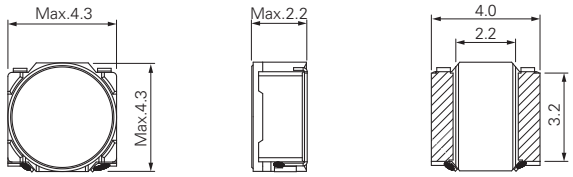
Operating Temperature Range
使用温度範囲:−40℃〜+105℃

Part No.	L (μH)	CDPH40D18 D.C.R.(mΩ) Max. (Typ.) at 20°C	CDPH40D18 Isat (A)*A Max. at 20°C	CDPH40D18 Irms (A)*C (Typ.)
CDPH40D18NP-1R0PC	1.0±25%	36.0(30.0)	3.50	(3.20)
CDPH40D18NP-2R2PC	2.2±25%	66.0(55.0)	2.50	(2.20)
CDPH40D18NP-3R3MC	3.3±20%	93.6(78.0)	2.20	(1.55)
CDPH40D18NP-4R7MC	4.7±20%	123(103)	1.84	(1.30)
CDPH40D18NP-6R8MC	6.8±20%	204(170)	1.54	(1.05)
CDPH40D18NP-100MC	10±20%	277(231)	1.22	(0.82)
CDPH40D18NP-150MC	15±20%	406(339)	1.00	(0.65)
CDPH40D18NP-220MC	22±20%	614(512)	0.84	(0.55)
CDPH40D18NP-270MC	27±20%	834(695)	0.75	(0.50)
CDPH40D18NP-330MC	33±20%	916(764)	0.64	(0.43)

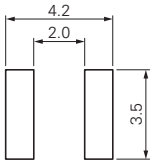
CDMPIH40D18

PROVISIONAL

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃〜+105℃

Part No.	L (μH)	CDMPIH40D18 D.C.R.(mΩ) Max. (Typ.) at 20°C	CDMPIH40D18 Isat (A)*B Max.(Typ.) at 20°C	CDMPIH40D18 Irms (A)*C (Typ.)
CDMPIH40D18NP-100MC	10±20%	270(230)	1.24(1.55)	(0.80)

Other / その他
- *A Isat (Saturation Current) : "Isat (A)" that will cause nominal inductance value to drop approximately 30%.
- *B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
- *C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
- *A Isat（直流重畳電流）: インダクタンスが公称値の30%低下する直流電流値。
- *B Isat（直流重畳電流）: インダクタンスが初期値から30%低下する直流電流値。
- *C Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

CDPH40D18	0.1g
CDMPIH40D18	0.14g

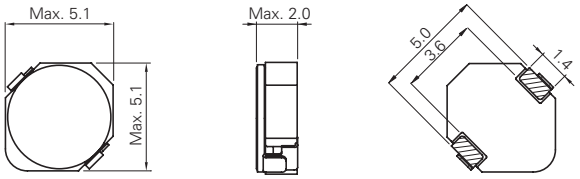
Packing Quantity / 梱包数量

CDPH40D18	3,000pcs/reel
CDMPIH40D18	3,000pcs/reel

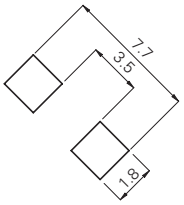
About CDMPIH40D18 / CDMPIH40D18 について
This specification is subject to change due to ongoing dvelopment when this catalog was printed.
本仕様は開発中につき、製品の改善等により記載内容を予告なく変更することがありますので、ご了承下さい。

CDPH49D19F

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

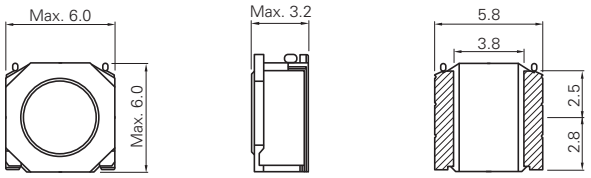
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃〜+105℃

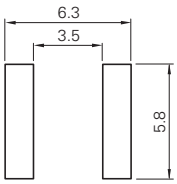
Part No.	L (μH)	CDPH49D19F			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max. at 20°C	Isat (A)*A Max. at 105°C	Irms (A)*C (Typ.)
CDPH49D19FNP-1R1NC	1.1±30%	33.0(26.0)	5.50	4.40	(3.40)
CDPH49D19FNP-2R2NC	2.2±30%	50.0(40.0)	3.90	3.30	(2.70)
CDPH49D19FNP-3R3MC	3.3±20%	65.0(52.0)	3.20	2.40	(2.20)
CDPH49D19FNP-4R7MC	4.7±20%	85.0(68.0)	2.50	2.10	(1.80)
CDPH49D19FNP-100MC	10±20%	188(150)	1.75	1.45	(1.25)

CDMPIH58D28

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃〜+105℃

Part No.	L (μH)	CDMPIH58D28			
		D.C.R.(Ω) Max. (Typ.) at 20°C	Isat (A)*B Max. at 20°C	Isat (A)*B Max. at 105°C	Irms (A)*C (Typ.)
CDMPIH58D28NP-151MC	150±20%	1.06(0.85)	0.33	0.24	(0.44)
CDMPIH58D28NP-221MC	220±20%	1.50(1.20)	0.27	0.19	(0.38)
CDMPIH58D28NP-331MC	330±20%	2.10(1.70)	0.23	0.17	(0.33)
CDMPIH58D28NP-471MC	470±20%	3.00(2.40)	0.19	0.14	(0.26)
CDMPIH58D28NP-681MC	680±20%	4.40(3.50)	0.16	0.12	(0.23)
CDMPIH58D28NP-102MC	1000±20%	6.60(5.30)	0.13	0.10	(0.18)
CDMPIH58D28NP-152MC	1500±20%	10.2(8.30)	0.10	0.80	(0.14)
CDMPIH58D28NP-222MC	2200±20%	16.5(13.2)	0.09	0.07	(0.12)

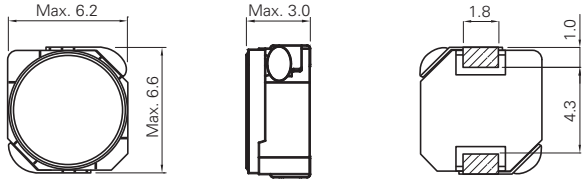
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause nominal inductance value to drop approximately 30%.
*B Isat (Saturation Current) : "Isat (A)" that will cause nominal inductance value to drop approximately 35%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが公称値の30%低下する直流電流値。
*B Isat（直流重畳電流）: インダクタンスが公称値の35%低下する直流電流値。
*C Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDPH49D19F 0.5g
CDMPIH58D28 0.4g

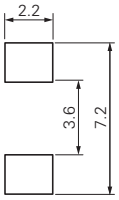
Packing Quantity / 梱包数量
CDPH49D19F 3,000pcs/reel
CDMPIH58D28 2,000pcs/reel

CDMPIH60D28

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

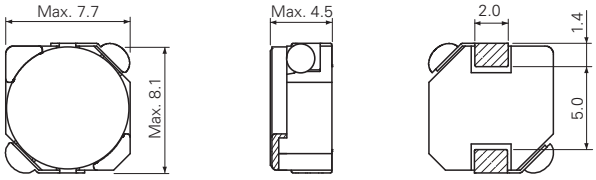
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

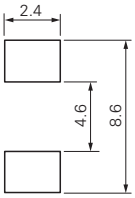
Part No.	L (μH)	CDMPIH60D28			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max. at 20°C	Isat (A)*A Max. at 105°C	Irms (A)*B (Typ.)
CDMPIH60D28NP-2R2PC	2.2±25%	42.0(33.0)	5.20	4.30	(2.70)
CDMPIH60D28NP-3R6PC	3.6±25%	52.0(42.0)	4.10	3.40	(2.40)
CDMPIH60D28NP-4R3PC	4.3±25%	56.0(45.0)	3.70	3.00	(2.35)
CDMPIH60D28NP-6R8PC	6.8±25%	85.0(68.0)	2.85	2.30	(1.85)
CDMPIH60D28NP-100MC	10±20%	130(105)	2.40	2.00	(1.45)
CDMPIH60D28NP-150MC	15±20%	200(160)	2.00	1.60	(1.15)
CDMPIH60D28NP-220MC	22±20%	293(234)	1.60	1.30	(0.90)
CDMPIH60D28NP-330MC	33±20%	412(330)	1.30	1.10	(0.75)

CDMPIH75D43/T125

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDMPIH75D43/T125			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max. at 20°C	Isat (A)*A Max. at 125°C	Irms (A)*B (Typ.)
CDMPIH75D43T125NP-6R8PC	6.8±25%	43.0(34.0)	3.70	2.90	(2.80)
CDMPIH75D43T125NP-100MC	10±20%	52.0(42.0)	3.10	2.40	(2.60)
CDMPIH75D43T125NP-220MC	22±20%	93.0(74.0)	2.10	1.60	(1.80)
CDMPIH75D43T125NP-330MC	33±20%	143(114)	1.70	1.30	(1.50)
CDMPIH75D43T125NP-470MC	47±20%	210(168)	1.40	1.10	(1.20)
CDMPIH75D43T125NP-680MC	68±20%	315(253)	1.20	0.90	(1.00)
CDMPIH75D43T125NP-101MC	100±20%	390(315)	1.00	0.75	(0.80)
CDMPIH75D43T125NP-151MC	150±20%	585(470)	0.80	0.60	(0.65)
CDMPIH75D43T125NP-221MC	220±20%	1,005(805)	0.65	0.50	(0.50)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause nominal inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが公称値の35%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

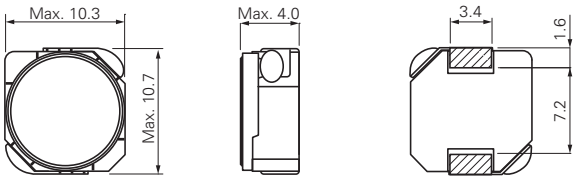
CDMPIH60D28	0.4g
CDMPIH75D43/T125	0.9g

Packing Quantity / 梱包数量

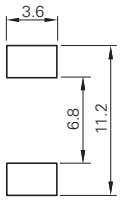
CDMPIH60D28	1,500pcs/reel
CDMPIH75D43/T125	1,000pcs/reel

CDMPIH10D38

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

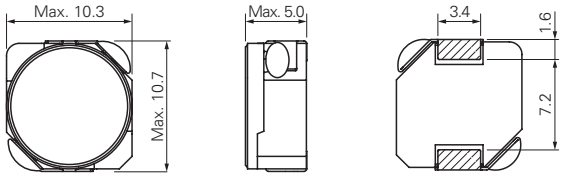
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

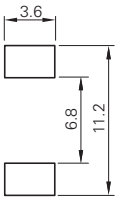
Part No.	L (μH)	CDMPIH10D38		
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
CDMPIH10D38NP-1R5PC	1.5±25%	16.8(13.5)	10.4(13.0)	(6.70)
CDMPIH10D38NP-2R2PC	2.2±25%	19.3(15.5)	9.30(11.6)	(6.00)
CDMPIH10D38NP-2R7PC	2.7±25%	23.7(19.0)	8.60(10.8)	(5.20)
CDMPIH10D38NP-3R6PC	3.6±25%	27.8(22.3)	7.60(9.50)	(4.80)
CDMPIH10D38NP-4R7PC	4.7±25%	32.1(25.7)	6.70(8.40)	(4.30)
CDMPIH10D38NP-6R2PC	6.2±25%	40.5(32.4)	5.90(7.40)	(3.90)
CDMPIH10D38NP-100MC	10±20%	58.8(49.0)	4.60(5.80)	(3.00)
CDMPIH10D38NP-150MC	15±20%	75.6(63.0)	3.70(4.60)	(2.60)
CDMPIH10D38NP-220MC	22±20%	111(92.4)	3.00(3.70)	(2.20)
CDMPIH10D38NP-330MC	33±20%	165(138)	2.60(3.20)	(1.70)
CDMPIH10D38NP-470MC	47±20%	221(184)	2.20(2.70)	(1.50)
CDMPIH10D38NP-680MC	68±20%	280(233)	1.80(2.20)	(1.30)
CDMPIH10D38NP-101MC	100±20%	417(347)	1.40(1.80)	(1.10)

CDMPIH10D48B

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDMPIH10D48B		
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
CDMPIH10D48BNP-3R6MC	3.6±20%	18.7(15.0)	8.50(10.0)	(6.05)
CDMPIH10D48BNP-4R7MC	4.7±20%	23.8(19.0)	7.60(9.00)	(5.45)
CDMPIH10D48BNP-5R6MC	5.6±20%	27.5(22.0)	6.60(7.80)	(4.95)
CDMPIH10D48BNP-120MC	12±20%	42.5(34.0)	4.80(5.70)	(3.90)
CDMPIH10D48BNP-150MC	15±20%	60.0(48.0)	4.20(5.00)	(3.15)
CDMPIH10D48BNP-220MC	22±20%	82.0(68.0)	3.50(4.20)	(2.70)
CDMPIH10D48BNP-330MC	33±20%	118(95.0)	2.80(3.40)	(2.15)
CDMPIH10D48BNP-470MC	47±20%	170(140)	2.40(2.90)	(1.70)
CDMPIH10D48BNP-680MC	68±20%	220(180)	1.90(2.30)	(1.45)
CDMPIH10D48BNP-101MC	100±20%	310(250)	1.70(2.00)	(1.35)
CDMPIH10D48BNP-121MC	120±20%	380(310)	1.50(1.80)	(1.14)
CDMPIH10D48BNP-151MC	150±20%	480(390)	1.30(1.60)	(1.07)
CDMPIH10D48BNP-221MC	220±20%	750(600)	1.10(1.30)	(0.83)
CDMPIH10D48BNP-331MC	330±20%	1,100(910)	0.93(1.10)	(0.65)
CDMPIH10D48BNP-471MC	470±20%	1,600(1,300)	0.79(0.93)	(0.54)
CDMPIH10D48BNP-681MC	680±20%	2,300(1,900)	0.64(0.76)	(0.46)
CDMPIH10D48BNP-102MC	1000±20%	3,300(2,600)	0.50(0.62)	(0.36)
CDMPIH10D48BNP-122MC	1200±20%	4,300(3,400)	0.46(0.55)	(0.31)
CDMPIH10D48BNP-152MC	1500±20%	5,500(4,400)	0.42(0.52)	(0.27)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

CDMPIH10D38 1.8g
CDMPIH10D48B 1.92g

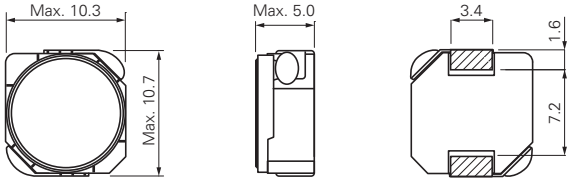
Packing Quantity / 梱包数量

CDMPIH10D38 500pcs/reel
CDMPIH10D48B 500pcs/reel

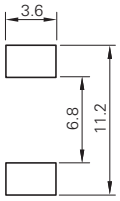
CDMPIH10D48/T125

Operating Temperature Range
使用温度範囲:−40℃～+125℃

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Part No.	L (μH)	CDMPIH10D48/T125			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max. at 20°C	Isat (A)*A Max. at 125°C	Irms (A)*B (Typ.)
CDMPIH10D48T125NP-4R3PC	4.3±25%	18.5(15.0)	7.40	5.70	(5.50)
CDMPIH10D48T125NP-5R6PC	5.6±25%	24.0(19.0)	6.50	5.00	(4.80)
CDMPIH10D48T125NP-7R5PC	7.5±25%	27.5(22.0)	5.60	4.40	(4.40)
CDMPIH10D48T125NP-110MC	11±20%	36.0(29.0)	4.70	3.60	(4.00)
CDMPIH10D48T125NP-220MC	22±20%	64.0(52.0)	3.30	2.60	(2.80)
CDMPIH10D48T125NP-330MC	33±20%	103(83.0)	2.70	2.10	(2.20)
CDMPIH10D48T125NP-470MC	47±20%	139(112)	2.25	1.75	(1.70)
CDMPIH10D48T125NP-680MC	68±20%	214(172)	1.85	1.40	(1.40)
CDMPIH10D48T125NP-101MC	100±20%	275(220)	1.55	1.20	(1.25)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause nominal inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが公称値の35%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

CDMPIH10D48/T125 2.0g

Packing Quantity / 梱包数量

CDMPIH10D48/T125 500pcs/reel

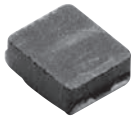
ODM Products

Compressed Iron powder core Type
****CDMCC /DS Series
****CDMCD /DS Series

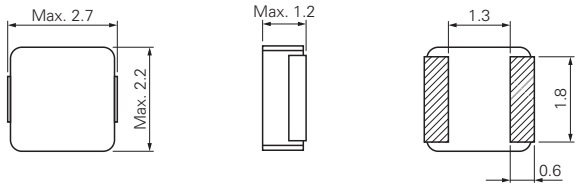
OUTLINE / 概要

Iron powder core power inductor developed for low voltage - high current laptop PC & server power supply applications.
低電圧、大電流のノートPC、サーバー向けに開発された電源用鉄系コアインダクタです。

252012CDMCD/DS



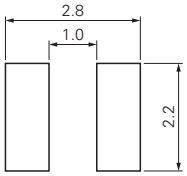
DIMENSIONS (mm)
外形寸法図



Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	252012CDMCD/DS		
		D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 25°C	Irms (A)*B (Typ.)
252012CDMCDDS-R47MC	0.47±20%	21.0(17.0)	6.20(7.30)	(6.10)
252012CDMCDDS-R68MC	0.68±20%	30.0(25.0)	5.40(6.30)	(5.50)
252012CDMCDDS-1R0MC	1.0±20%	42.0(35.0)	4.60(5.40)	(4.20)
252012CDMCDDS-1R5MC	1.5±20%	61.0(53.0)	3.10(3.60)	(3.60)
252012CDMCDDS-2R2MC	2.2±20%	82.0(68.0)	2.80(3.30)	(3.00)

LAND PATTERN (mm)
推奨ランド寸法



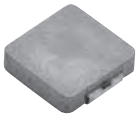
WIRE
線種

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=25°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から30%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=25℃)

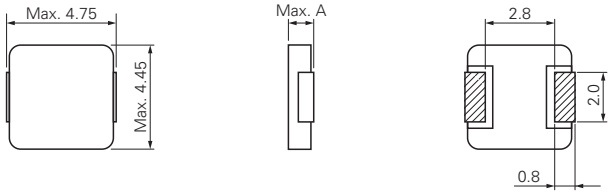
Weight (Ref.) / 重量(参考値)
252012CDMCD/DS 0.036g

Packing Quantity / 梱包数量
252012CDMCD/DS 3,000pcs/reel

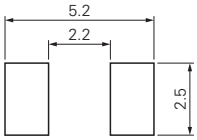
04**CDMCC/DS



DIMENSIONS (mm) 外形寸法図



LAND PATTERN (mm) 推奨ランド寸法



WIRE 線種

Type Name	A (mm)
0410CDMCC/DS	1.0
0412CDMCC/DS	1.2
0415CDMCC/DS	1.5
0420CDMCC/DS	2.0

Operating Temperature Range
使用温度範囲:−55℃〜+125℃

0410CDMCC/DS					0412CDMCC/DS			
L (μH)	Part No.	D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 25°C	Irms (A)*B (Typ.)	Part No.	D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 25°C	Irms (A)*B (Typ.)
0.10±20%	0410CDMCCDS-R10MC	5.80(4.80)	12.2(14.4)	(14.0)	0412CDMCCDS-R10MC	7.20(6.00)	16.5(19.5)	(11.5)
0.12±20%					0412CDMCCDS-R12MC	7.80(6.50)	16.0(19.0)	(11.0)
0.15±20%	0410CDMCCDS-R15MC	6.30(5.20)	11.1(13.1)	(13.0)	0412CDMCCDS-R15MC	9.60(8.00)	14.5(17.0)	(9.40)
0.22±20%	0410CDMCCDS-R22MC	11.7(9.70)	7.80(9.20)	(9.00)	0412CDMCCDS-R22MC	11.0(9.20)	12.0(14.0)	(9.00)
0.33±20%	0410CDMCCDS-R33MC	23.0(19.2)	6.90(8.10)	(6.00)	0412CDMCCDS-R33MC	19.0(17.0)	9.40(11.0)	(6.50)
0.47±20%	0410CDMCCDS-R47MC	30.5(25.4)	5.40(6.40)	(5.00)	0412CDMCCDS-R47MC	21.0(19.0)	8.20(9.70)	(6.00)
0.56±20%	0410CDMCCDS-R56MC	34.5(28.8)	5.30(6.20)	(4.50)				
0.68±20%	0410CDMCCDS-R68MC	38.9(32.4)	4.30(5.10)	(4.00)	0412CDMCCDS-R68MC	36.0(32.0)	6.90(8.00)	(4.70)
1.0±20%	0410CDMCCDS-1R0MC	56.0(49.0)	3.50(4.10)	(3.70)	0412CDMCCDS-1R0MC	47.0(43.0)	6.00(7.10)	(4.10)
1.2±20%	0410CDMCCDS-1R2MC	66.0(57.0)	3.20(3.80)	(3.50)				
1.5±20%	0410CDMCCDS-1R5MC	82.0(72.0)	2.90(3.40)	(3.20)	0412CDMCCDS-1R5MC	75.0(68.0)	3.60(4.20)	(2.90)
2.2±20%	0410CDMCCDS-2R2MC	107(93.0)	2.60(3.10)	(2.90)	0412CDMCCDS-2R2MC	84.0(80.0)	3.40(4.00)	(2.70)
3.3±20%	0410CDMCCDS-3R3MC	203(177)	2.20(2.60)	(1.85)	0412CDMCCDS-3R3MC	140(125)	3.20(3.80)	(2.10)
4.7±20%	0410CDMCCDS-4R7MC	243(211)	1.60(1.90)	(1.75)	0412CDMCCDS-4R7MC	195(175)	2.60(3.10)	(1.80)
6.8±20%	0410CDMCCDS-6R8MC	257(224)	1.50(1.70)	(1.70)				
10±20%	0410CDMCCDS-100MC	318(277)	1.40(1.65)	(1.60)				

0415CDMCC/DS					0420CDMCC/DS			
L (μH)	Part No.	D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 25°C	Irms (A)*B (Typ.)	Part No.	D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 25°C	Irms (A)*B (Typ.)
0.10±20%					0420CDMCCDS-R10MC	4.00(3.50)	19.0(22.0)	(17.0)
0.22±20%	0415CDMCCDS-R22MC	7.20(6.00)	11.9(14.0)	(12.0)	0420CDMCCDS-R22MC	6.60(6.00)	15.0(18.0)	(12.0)
0.33±20%	0415CDMCCDS-R33MC	8.40(7.00)	9.30(11.0)	(11.6)	0420CDMCCDS-R33MC	10.5(9.00)	10.0(12.0)	(10.5)
0.47±20%	0415CDMCCDS-R47MC	13.2(11.0)	8.50(10.0)	(8.40)	0420CDMCCDS-R47MC	14.0(12.5)	9.50(11.0)	(9.00)
0.56±20%	0415CDMCCDS-R56MC	14.4(12.0)	7.40(8.70)	(8.70)	0420CDMCCDS-R56MC	16.0(14.0)	10.0(12.0)	(8.10)
0.68±20%	0415CDMCCDS-R68MC	19.2(16.0)	7.30(8.60)	(7.30)	0420CDMCCDS-R68MC	18.0(16.0)	8.20(9.60)	(8.00)
1.0±20%	0415CDMCCDS-1R0MC	27.6(23.0)	6.80(8.00)	(5.60)	0420CDMCCDS-1R0MC	27.0(24.0)	7.00(8.00)	(6.50)
1.2±20%					0420CDMCCDS-1R2MC	27.0(24.0)	7.00(8.00)	(6.50)
1.5±20%	0415CDMCCDS-1R5MC	42.0(35.0)	5.10(6.00)	(4.70)	0420CDMCCDS-1R5MC	46.0(38.0)	5.70(6.70)	(4.90)
2.2±20%	0415CDMCCDS-2R2MC	78.0(65.0)	4.70(5.50)	(3.30)	0420CDMCCDS-2R2MC	58.0(52.0)	5.40(6.30)	(4.30)
3.3±20%	0415CDMCCDS-3R3MC	92.4(77.0)	3.40(4.00)	(3.20)	0420CDMCCDS-3R3MC	87.0(74.0)	4.00(4.70)	(3.50)
4.7±20%	0415CDMCCDS-4R7MC	130(108)	2.60(3.00)	(2.60)	0420CDMCCDS-4R7MC	105(92.0)	2.50(3.00)	(2.70)
6.8±20%	0415CDMCCDS-6R8MC	206(172)	2.10(2.50)	(2.10)	0420CDMCCDS-6R8MC	175(160)	2.30(2.70)	(2.10)
10±20%					0420CDMCCDS-100MC	282(256)	2.10(2.50)	(1.50)
15±20%					0420CDMCCDS-150MC	352(320)	1.60(1.90)	(1.40)
22±20%					0420CDMCCDS-220MC	363(330)	1.40(1.70)	(1.20)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=25°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から30%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=25℃)
(Test board condition FR4, copper=70μ, four-layer PWB t=1.6mm)

Weight (Ref.) / 重量(参考値)

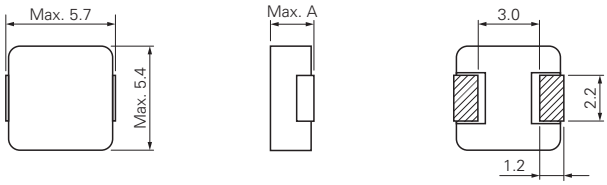
0410CDMCC/DS 0.098g
0412CDMCC/DS 0.16g
0415CDMCC/DS 0.146g
0420CDMCC/DS 0.18g

Packing Quantity / 梱包数量

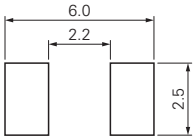
0410CDMCC/DS 3,000pcs/reel
0412CDMCC/DS 3,000pcs/reel
0415CDMCC/DS 3,000pcs/reel
0420CDMCC/DS 3,000pcs/reel

05**CDMCC/DS

DIMENSIONS (mm) 外形寸法図



LAND PATTERN (mm) 推奨ランド寸法



WIRE 線種

Type Name	A (mm)
0512CDMCC/DS	1.2
0518CDMCC/DS	1.8
0530CDMCC/DS	3.0

Operating Temperature Range
使用温度範囲:−55℃〜+125℃

0512CDMCC/DS					0518CDMCC/DS			
L (μH)	Part No.	D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 25°C	Irms (A)*B (Typ.)	Part No.	D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 25°C	Irms (A)*B (Typ.)
0.10±20%	0512CDMCCDS-R10MC	5.40(4.50)	14.5(17.0)	(14.0)	0518CDMCCDS-R10MC	3.10(2.60)	25.0(29.5)	(20.0)
0.12±20%					0518CDMCCDS-R12MC	2.60(2.20)	24.5(29.0)	(21.0)
0.15±20%					0518CDMCCDS-R15MC	3.60(3.00)	24.0(28.5)	(19.0)
0.22±20%	0512CDMCCDS-R22MC	8.40(7.00)	11.9(14.0)	(10.6)	0518CDMCCDS-R22MC	4.80(4.00)	17.0(20.0)	(16.0)
0.33±20%	0512CDMCCDS-R33MC	10.8(9.00)	11.0(13.0)	(9.50)	0518CDMCCDS-R33MC	6.50(5.50)	16.0(19.0)	(14.5)
0.47±20%	0512CDMCCDS-R47MC	13.2(11.0)	9.40(11.0)	(8.80)	0518CDMCCDS-R47MC	9.00(7.70)	12.8(15.0)	(10.5)
0.56±20%	0512CDMCCDS-R56MC	18.6(15.5)	6.80(8.00)	(7.20)	0518CDMCCDS-R56MC	10.0(8.00)	12.5(14.7)	(10.0)
0.68±20%	0512CDMCCDS-R68MC	20.4(17.0)	6.60(7.80)	(7.00)	0518CDMCCDS-R68MC	12.1(10.5)	11.5(13.5)	(9.50)
1.0±20%	0512CDMCCDS-1R0MC	31.8(26.5)	5.50(6.50)	(5.70)	0518CDMCCDS-1R0MC	17.0(15.0)	11.1(13.1)	(7.50)
1.5±20%	0512CDMCCDS-1R5MC	42.0(35.0)	5.10(6.00)	(5.30)	0518CDMCCDS-1R5MC	26.0(21.0)	9.00(10.6)	(6.60)
2.2±20%	0512CDMCCDS-2R2MC	72.6(60.5)	4.10(4.80)	(3.60)	0518CDMCCDS-2R2MC	35.0(30.0)	6.00(7.10)	(5.20)
3.3±20%	0512CDMCCDS-3R3MC	107(89.5)	3.20(3.80)	(2.90)	0518CDMCCDS-3R3MC	58.0(52.0)	5.40(6.30)	(4.20)
4.7±20%	0512CDMCCDS-4R7MC	166(139)	2.70(3.20)	(2.30)	0518CDMCCDS-4R7MC	85.0(78.0)	4.40(5.10)	(3.20)
5.6±20%					0518CDMCCDS-5R6MC	95.0(86.0)	4.10(4.80)	(2.80)
6.8±20%					0518CDMCCDS-6R8MC	120(107)	3.60(4.30)	(2.40)
10±20%					0518CDMCCDS-100MC	155(140)	3.00(3.50)	(2.30)
15±20%					0518CDMCCDS-150MC	260(240)	1.70(2.00)	(1.80)

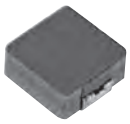
0530CDMCC/DS				
L (μH)	Part No.	D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 25°C	Irms (A)*B (Typ.)
0.10±20%	0530CDMCCDS-R10MC	2.80(2.40)	24.5(29.0)	(21.0)
0.20±20%	0530CDMCCDS-R20MC	3.90(3.50)	18.7(22.0)	(14.0)
0.33±20%	0530CDMCCDS-R33MC	5.00(4.40)	16.0(19.0)	(13.5)
0.47±20%	0530CDMCCDS-R47MC	8.50(7.40)	15.3(18.0)	(10.5)
0.68±20%	0530CDMCCDS-R68MC	12.0(11.0)	11.9(14.0)	(9.60)
1.0±20%	0530CDMCCDS-1R0MC	14.0(13.0)	10.2(12.0)	(9.40)
1.2±20%	0530CDMCCDS-1R2MC	16.0(15.0)	11.5(13.5)	(8.70)
1.5±20%	0530CDMCCDS-1R5MC	25.0(20.0)	11.1(13.0)	(7.20)
2.2±20%	0530CDMCCDS-2R2MC	29.0(25.0)	7.60(9.00)	(5.80)
3.3±20%	0530CDMCCDS-3R3MC	38.0(32.0)	6.80(8.00)	(5.10)
4.7±20%	0530CDMCCDS-4R7MC	60.0(50.0)	5.10(6.00)	(3.80)
5.6±20%	0530CDMCCDS-5R6MC	54.0(47.0)	3.60(4.30)	(4.00)
6.8±20%	0530CDMCCDS-6R8MC	90.0(75.0)	3.80(4.50)	(3.30)
10±20%	0530CDMCCDS-100MC	125(110)	3.40(4.00)	(2.80)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=25°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から30%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=25℃)
(Test board condition FR4, copper=70μ, four-layer PWB t=1.6mm)

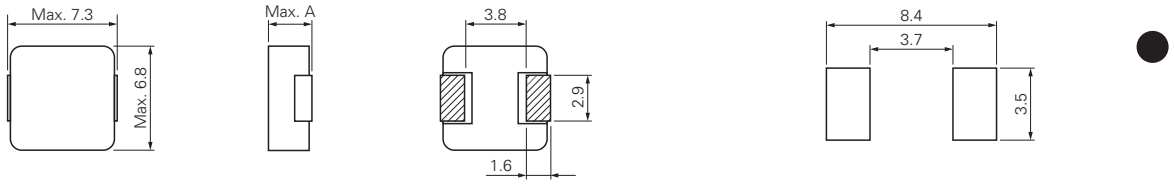
Weight (Ref.) / 重量(参考値)
0512CDMCC/DS 0.164g
0518CDMCC/DS 0.26g
0530CDMCC/DS 0.43g

Packing Quantity / 梱包数量
0512CDMCC/DS 2,000pcs/reel
0518CDMCC/DS 2,000pcs/reel
0530CDMCC/DS 2,000pcs/reel

06**CDMCC/DS



DIMENSIONS (mm) 外形寸法図 | **LAND PATTERN (mm)** 推奨ランド寸法 | **WIRE** 線種



Type Name	A (mm)
0618CDMCC/DS	1.8
0624CDMCC/DS	2.4
0630CDMCC/DS	3.0

Operating Temperature Range
使用温度範囲:−55℃〜+125℃

0618CDMCC/DS					0624CDMCC/DS			
L (μH)	Part No.	D.C.R.(mΩ) Max. (Typ.) at 25℃	Isat (A)*A Max.(Typ.) at 25℃	Irms (A)*B (Typ.)	Part No.	D.C.R.(mΩ) Max. (Typ.) at 25℃	Isat (A)*A Max.(Typ.) at 25℃	Irms (A)*B (Typ.)
0.08±20%					0624CDMCCDS-R08MC	0.85(0.70)	72.0(85.0)	(42.0)
0.10±20%	0618CDMCCDS-R10MC	2.40(2.05)	34.0(40.0)	(25.0)	0624CDMCCDS-R10MC	0.96(0.80)	40.0(47.0)	(40.0)
0.12±20%	0618CDMCCDS-R12MC	2.40(2.05)	30.0(36.0)	(25.0)	0624CDMCCDS-R12MC	0.96(0.80)	33.0(39.0)	(40.0)
0.15±20%	0618CDMCCDS-R15MC	2.40(2.05)	27.0(32.0)	(25.0)	0624CDMCCDS-R15MC	1.08(0.90)	35.0(37.0)	(38.0)
0.22±20%	0618CDMCCDS-R22MC	3.60(3.10)	23.0(27.0)	(18.0)	0624CDMCCDS-R22MC	3.00(2.50)	30.6(36.1)	(22.0)
0.33±20%					0624CDMCCDS-R33MC	4.10(3.50)	24.2(28.5)	(20.5)
0.47±20%					0624CDMCCDS-R47MC	5.10(4.50)	20.8(24.5)	(17.5)
0.56±20%					0624CDMCCDS-R56MC	6.50(5.50)	17.0(20.0)	(15.4)
0.68±20%	0618CDMCCDS-R68MC	12.0(10.0)	14.4(17.0)	(9.80)	0624CDMCCDS-R68MC	7.00(6.20)	16.0(18.8)	(15.0)
1.0±20%	0618CDMCCDS-1R0MC	16.0(13.0)	12.1(14.3)	(8.30)	0624CDMCCDS-1R0MC	9.60(8.00)	13.7(16.2)	(12.6)
1.5±20%	0618CDMCCDS-1R5MC	24.0(20.0)	10.3(12.0)	(7.00)	0624CDMCCDS-1R5MC	19.2(16.0)	12.7(15.0)	(8.70)
2.2±20%	0618CDMCCDS-2R2MC	33.6(28.0)	9.20(10.8)	(6.00)	0624CDMCCDS-2R2MC	28.0(23.0)	10.9(12.8)	(7.00)
3.3±20%	0618CDMCCDS-3R3MC	50.0(43.0)	6.80(8.00)	(4.70)	0624CDMCCDS-3R3MC	48.0(40.0)	9.00(10.6)	(5.50)
4.7±20%	0618CDMCCDS-4R7MC	62.0(56.0)	5.30(6.30)	(4.00)	0624CDMCCDS-4R7MC	54.0(45.0)	6.50(7.60)	(4.80)
6.8±20%	0618CDMCCDS-6R8MC	110(101)	4.30(5.00)	(3.00)	0624CDMCCDS-6R8MC	66.0(55.0)	5.70(6.70)	(4.20)
8.2±20%	0618CDMCCDS-8R2MC	142(123)	4.00(4.70)	(2.60)				
10±20%	0618CDMCCDS-100MC	165(150)	3.40(4.00)	(2.30)	0624CDMCCDS-100MC	101(92.0)	4.70(5.50)	(3.10)
15±20%					0624CDMCCDS-150MC	160(145)	3.10(3.70)	(2.50)
22±20%					0624CDMCCDS-220MC	242(220)	2.70(3.20)	(1.90)

0630CDMCC/DS				
L (μH)	Part No.	D.C.R.(mΩ) Max. (Typ.) at 25℃	Isat (A)*A Max.(Typ.) at 25℃	Irms (A)*B (Typ.)
0.10±20%	0630CDMCCDS-R10MC	1.08(0.90)	61.2(72.0)	(40.0)
0.15±20%	0630CDMCCDS-R15MC	1.14(0.95)	34.4(40.5)	(35.0)
0.22±20%	0630CDMCCDS-R22MC	3.00(2.50)	32.3(38.0)	(24.0)
0.24±20%	0630CDMCCDS-R24MC	3.10(2.60)	31.0(36.6)	(23.0)
0.33±20%	0630CDMCCDS-R33MC	3.50(3.00)	27.5(32.3)	(21.0)
0.47±20%	0630CDMCCDS-R47MC	4.10(3.50)	20.6(24.2)	(20.0)
0.56±20%	0630CDMCCDS-R56MC	4.50(3.90)	17.5(20.5)	(18.8)
0.68±20%	0630CDMCCDS-R68MC	5.30(4.80)	17.0(20.0)	(16.5)
0.82±20%	0630CDMCCDS-R82MC	6.00(5.40)	16.5(19.5)	(14.8)
1.0±20%	0630CDMCCDS-1R0MC	7.40(6.70)	14.0(16.5)	(14.4)
1.5±20%	0630CDMCCDS-1R5MC	12.1(10.6)	12.9(15.2)	(10.2)
2.2±20%	0630CDMCCDS-2R2MC	15.0(13.5)	10.5(12.3)	(9.30)
3.3±20%	0630CDMCCDS-3R3MC	22.0(18.0)	9.70(11.4)	(8.40)
4.7±20%	0630CDMCCDS-4R7MC	33.0(28.0)	5.80(6.80)	(6.30)
5.6±20%	0630CDMCCDS-5R6MC	43.0(37.0)	5.50(6.50)	(5.20)
6.8±20%	0630CDMCCDS-6R8MC	48.0(42.5)	5.30(6.30)	(5.00)
8.2±20%	0630CDMCCDS-8R2MC	60.0(54.0)	4.90(5.80)	(4.30)
10±20%	0630CDMCCDS-100MC	67.0(62.0)	4.60(5.50)	(4.00)
15±20%	0630CDMCCDS-150MC	115(104)	3.60(4.30)	(3.30)
22±20%	0630CDMCCDS-220MC	200(180)	3.40(4.00)	(2.30)
33±20%	0630CDMCCDS-330MC	258(215)	2.30(2.70)	(2.10)

Other / その他

*A Isat (Saturation Current) :
"Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) :
"Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=25°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=25℃)
(Test board condition FR4, copper=70μ, four-layer PWB t=1.6mm)

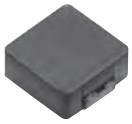
Weight (Ref.) / 重量（参考値）

0618CDMCC/DS	0.45g
0624CDMCC/DS	0.6g
0630CDMCC/DS	0.73g

Packing Quantity / 梱包数量

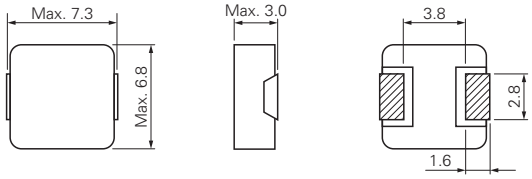
0618CDMCC/DS	1,500pcs/reel
0624CDMCC/DS	1,500pcs/reel
0630CDMCC/DS	1,500pcs/reel

0630CDMCD/DS

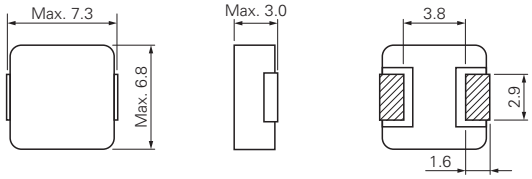


DIMENSIONS (mm)
外形寸法図

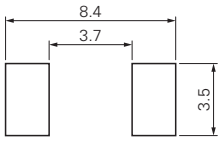
<0.10μH, 0.15μH>



<0.20μH~10μH>



LAND PATTERN (mm)
推奨ランド寸法

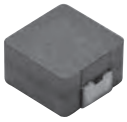


WIRE
線種

Operating Temperature Range
使用温度範囲:−55℃~+125℃

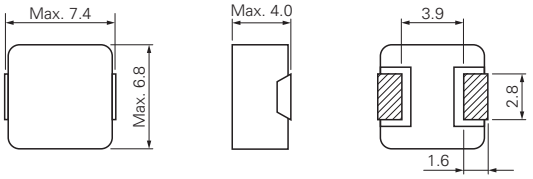
Part No.	L (μH)	0630CDMCD/DS D.C.R.(mΩ) Max. (Typ.) at 25°C	0630CDMCD/DS Isat (A)*A Max.(Typ.) at 25°C	0630CDMCD/DS Irms (A)*C (Typ.)
0630CDMCDDS-R10MC	0.10±20%	1.70(1.50)	52.5(61.8)	(32.5)
0630CDMCDDS-R15MC	0.15±20%	1.10(0.90)	47.6(56.0)	(37.0)
0630CDMCDDS-R20MC	0.20±20%	3.00(2.40)	41.0(51.0)	(24.0)
0630CDMCDDS-R22MC	0.22±20%	3.20(2.50)	40.0(47.5)	(23.0)
0630CDMCDDS-R33MC	0.33±20%	3.90(3.50)	30.0(35.5)	(20.0)
0630CDMCDDS-R47MC	0.47±20%	4.20(4.00)	24.6(29.0)	(19.5)
0630CDMCDDS-R56MC	0.56±20%	5.00(4.70)	23.8(28.0)	(18.8)
0630CDMCDDS-R68MC	0.68±20%	5.50(5.00)	21.8(25.6)	(18.0)
0630CDMCDDS-R75MC	0.75±20%	6.20(5.40)	21.0(25.0)	(17.5)
0630CDMCDDS-R82MC	0.82±20%	8.00(6.70)	20.8(24.5)	(16.0)
0630CDMCDDS-1R0MC	1.0±20%	10.0(9.00)	18.7(22.0)	(13.0)
0630CDMCDDS-1R2MC	1.2±20%	12.0(10.0)	17.8(20.9)	(12.5)
0630CDMCDDS-1R5MC	1.5±20%	15.0(14.0)	17.4(20.5)	(10.2)
0630CDMCDDS-2R0MC	2.0±20%	18.0(16.0)	14.8(17.5)	(9.50)
0630CDMCDDS-2R2MC	2.2±20%	20.0(18.0)	14.4(17.0)	(9.20)
0630CDMCDDS-2R5MC	2.5±20%	22.0(20.0)	12.0(14.0)	(7.80)
0630CDMCDDS-3R3MC	3.3±20%	30.0(28.0)	11.5(13.5)	(6.30)
0630CDMCDDS-4R7MC	4.7±20%	40.0(37.0)	10.5(12.3)	(5.50)
0630CDMCDDS-6R8MC	6.8±20%	60.0(54.0)	7.20(8.50)	(4.80)
0630CDMCDDS-100MC	10±20%	62.0(55.0)	4.60(5.40)	(4.50)

0640CDMCC/DS

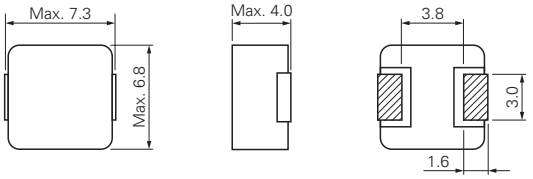


DIMENSIONS (mm)
外形寸法図

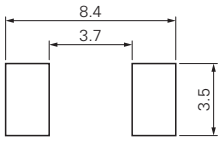
<0.15μH~0.36μH>



<0.56μH~22μH>



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

Operating Temperature Range
使用温度範囲:−55℃~+125℃

Part No.	L (μH)	0640CDMCC/DS D.C.R.(mΩ) Max. (Typ.) at 25°C	0640CDMCC/DS Isat (A)*B Max.(Typ.) at 25°C	0640CDMCC/DS Irms (A)*C (Typ.)
0640CDMCCDS-R15MC	0.15±20%	0.73(0.66)	42.5(50.0)	(45.0)
0640CDMCCDS-R24MC	0.24±20%	1.15(1.00)	25.0(28.5)	(38.0)
0640CDMCCDS-R33MC	0.33±20%	1.70(1.50)	28.0(33.0)	(27.0)
0640CDMCCDS-R36MC	0.36±20%	1.70(1.50)	22.5(26.5)	(27.0)
0640CDMCCDS-R56MC	0.56±20%	3.90(3.30)	20.0(24.0)	(20.0)
0640CDMCCDS-1R0MC	1.0±20%	6.80(5.50)	13.5(16.0)	(15.0)
0640CDMCCDS-1R5MC	1.5±20%	8.20(6.80)	9.70(11.5)	(14.0)
0640CDMCCDS-2R2MC	2.2±20%	10.8(8.60)	9.40(11.0)	(12.0)
0640CDMCCDS-3R3MC	3.3±20%	21.5(18.0)	8.50(10.0)	(8.00)
0640CDMCCDS-4R7MC	4.7±20%	35.0(29.0)	8.00(9.50)	(5.70)
0640CDMCCDS-6R8MC	6.8±20%	45.5(37.5)	6.00(7.00)	(5.00)
0640CDMCCDS-100MC	10±20%	68.5(57.0)	5.20(6.20)	(4.20)
0640CDMCCDS-150MC	15±20%	89.0(74.5)	3.90(4.60)	(3.80)
0640CDMCCDS-220MC	22±20%	133(110)	3.20(3.80)	(3.30)

Other / その他

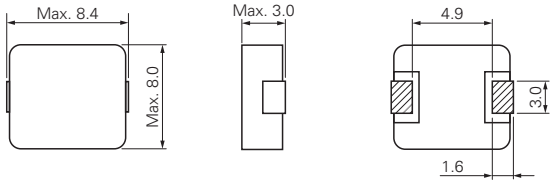
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 20%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=25°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から20%低下する直流電流値。
*B Isat（直流重畳電流）：インダクタンスが初期値から30%低下する直流電流値。
*C Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=25℃)

Weight (Ref.) / 重量(参考値)
0630CDMCD/DS 0.73g
0640CDMCC/DS 1.00g

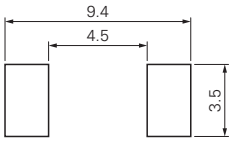
Packing Quantity / 梱包数量
0630CDMCD/DS 1,500pcs/reel
0640CDMCC/DS 1,000pcs/reel

0830CDMCC/DS

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



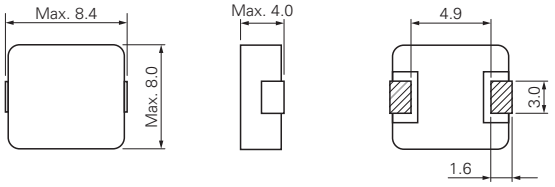
WIRE
線種

Operating Temperature Range
使用温度範囲:−55℃～+125℃

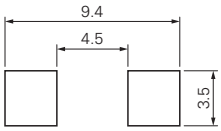
Part No.	L (μH)	0830CDMCC/DS D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 25°C	Irms (A)*B (Typ.)
0830CDMCCDS-R22MC	0.22±20%	2.30(1.90)	30.5(36.0)	(27.0)
0830CDMCCDS-R33MC	0.33±20%	2.60(2.20)	24.0(28.0)	(25.0)
0830CDMCCDS-R47MC	0.47±20%	3.10(2.60)	20.0(23.0)	(23.0)
0830CDMCCDS-R68MC	0.68±20%	4.30(3.60)	17.6(20.7)	(20.0)
0830CDMCCDS-R82MC	0.82±20%	4.70(3.90)	15.3(18.0)	(19.0)
0830CDMCCDS-1R0MC	1.0±20%	5.40(4.50)	14.5(17.0)	(17.0)
0830CDMCCDS-1R2MC	1.2±20%	6.70(5.60)	13.0(15.3)	(16.0)
0830CDMCCDS-1R5MC	1.5±20%	9.40(7.80)	12.5(15.0)	(11.5)
0830CDMCCDS-1R8MC	1.8±20%	8.50(7.10)	10.3(12.2)	(14.0)
0830CDMCCDS-2R2MC	2.2±20%	13.0(10.8)	9.90(11.7)	(10.0)
0830CDMCCDS-3R3MC	3.3±20%	19.0(16.2)	8.00(9.50)	(9.50)
0830CDMCCDS-4R7MC	4.7±20%	31.0(26.0)	7.30(8.60)	(6.50)
0830CDMCCDS-5R6MC	5.6±20%	35.0(29.0)	5.70(6.80)	(6.30)
0830CDMCCDS-6R8MC	6.8±20%	43.0(36.0)	5.40(6.30)	(6.00)
0830CDMCCDS-8R2MC	8.2±20%	54.0(45.0)	5.10(6.00)	(5.00)
0830CDMCCDS-100MC	10±20%	72.0(60.0)	4.60(5.40)	(4.50)
0830CDMCCDS-150MC	15±20%	100(84.0)	4.00(4.70)	(3.60)
0830CDMCCDS-220MC	22±20%	145(120)	3.30(3.90)	(3.00)
0830CDMCCDS-330MC	33±20%	204(170)	2.80(3.20)	(2.50)

0840CDMCC/DS

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

Operating Temperature Range
使用温度範囲:−55℃～+125℃

Part No.	L (μH)	0840CDMCC/DS D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
0840CDMCCDS-R22MC	0.22±20%	2.40(2.00)	34.5(40.5)	(29.0)
0840CDMCCDS-R33MC	0.33±20%	3.00(2.50)	27.5(32.5)	(24.0)
0840CDMCCDS-R47MC	0.47±20%	3.80(3.20)	20.5(24.5)	(21.0)
0840CDMCCDS-R68MC	0.68±20%	4.30(3.60)	17.5(20.5)	(18.0)
0840CDMCCDS-R82MC	0.82±20%	5.00(4.20)	16.0(19.0)	(17.0)
0840CDMCCDS-1R0MC	1.0±20%	5.60(4.70)	15.3(18.0)	(16.5)
0840CDMCCDS-1R5MC	1.5±20%	8.40(7.00)	13.0(15.3)	(13.0)
0840CDMCCDS-2R2MC	2.2±20%	9.60(8.00)	10.7(12.6)	(12.5)
0840CDMCCDS-3R3MC	3.3±20%	15.0(12.5)	9.20(10.8)	(10.0)
0840CDMCCDS-4R7MC	4.7±20%	24.0(20.0)	7.00(8.00)	(7.30)
0840CDMCCDS-5R6MC	5.6±20%	26.5(22.0)	6.50(7.70)	(7.00)
0840CDMCCDS-6R8MC	6.8±20%	34.0(28.0)	6.40(7.50)	(6.00)
0840CDMCCDS-8R2MC	8.2±20%	38.5(32.0)	6.10(7.20)	(5.50)
0840CDMCCDS-100MC	10±20%	54.0(45.0)	5.40(6.30)	(4.80)
0840CDMCCDS-150MC	15±20%	70.0(59.0)	4.40(5.20)	(4.50)
0840CDMCCDS-220MC	22±20%	98.5(82.0)	4.20(5.00)	(3.60)
0840CDMCCDS-330MC	33±20%	174(145)	2.70(3.20)	(2.80)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=25°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=25℃)

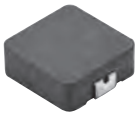
Weight (Ref.) / 重量(参考値)

0830CDMCC/DS 0.97g
0840CDMCC/DS 1.28g

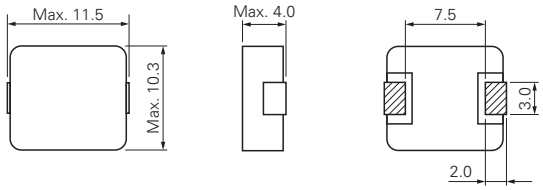
Packing Quantity / 梱包数量

0830CDMCC/DS 500pcs/reel
0840CDMCC/DS 500pcs/reel

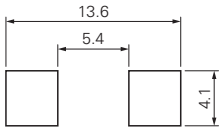
104CDMCD/DS



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



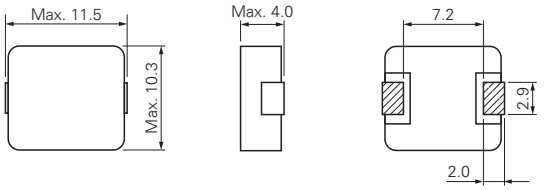
WIRE
線種

Operating Temperature Range
使用温度範囲:−55℃〜+125℃

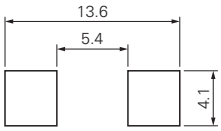
Part No.	L (μH)	104CDMCD/DS D.C.R.(mΩ) Max. (Typ.) at 25°C	104CDMCD/DS Isat (A)*A Max.(Typ.) at 25°C	104CDMCD/DS Irms (A)*C (Typ.)
104CDMCDDS-R19MC	0.19±20%	0.78(0.65)	76.5(90.0)	(62.0)
104CDMCDDS-R24MC	0.24±20%	1.15(0.96)	70.4(82.8)	(43.0)
104CDMCDDS-R36MC	0.36±20%	1.44(1.20)	67.3(79.2)	(40.0)
104CDMCDDS-R47MC	0.47±20%	1.80(1.50)	53.6(63.0)	(34.0)
104CDMCDDS-R56MC	0.56±20%	2.16(1.80)	36.7(43.2)	(33.0)
104CDMCDDS-R82MC	0.82±20%	2.76(2.30)	32.6(38.3)	(25.0)
104CDMCDDS-1R0MC	1.0±20%	3.36(2.80)	31.4(37.0)	(24.0)
104CDMCDDS-1R5MC	1.5±20%	6.60(5.50)	30.6(36.0)	(16.5)
104CDMCDDS-2R2MC	2.2±20%	8.60(7.20)	26.0(30.6)	(14.0)
104CDMCDDS-3R3MC	3.3±20%	13.0(11.0)	19.0(22.5)	(11.8)
104CDMCDDS-4R7MC	4.7±20%	18.0(15.0)	15.3(18.0)	(9.50)
104CDMCDDS-5R6MC	5.6±20%	22.5(19.0)	14.0(16.4)	(9.00)
104CDMCDDS-6R8MC	6.8±20%	24.0(20.0)	14.5(17.0)	(8.80)
104CDMCDDS-100MC	10±20%	39.0(32.5)	10.7(12.6)	(6.60)

104CDMCC/DS

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

Operating Temperature Range
使用温度範囲:−55℃〜+125℃

Part No.	L (μH)	104CDMCC/DS D.C.R.(mΩ) Max. (Typ.) at 25°C	104CDMCC/DS Isat (A)*B Max.(Typ.) at 20°C	104CDMCC/DS Irms (A)*C (Typ.)
104CDMCCDS-R15MC	0.15±20%	0.65(0.50)	60.0(71.0)	(43.0)
104CDMCCDS-R22MC	0.22±20%	0.70(0.60)	59.0(70.0)	(38.0)
104CDMCCDS-R30MC	0.30±20%	0.90(0.78)	44.0(52.0)	(35.0)
104CDMCCDS-R36MC	0.36±20%	1.06(0.92)	44.0(52.0)	(32.0)
104CDMCCDS-R47MC	0.47±20%	1.70(1.50)	43.0(51.0)	(28.0)
104CDMCCDS-R56MC	0.56±20%	1.65(1.43)	34.0(40.0)	(27.0)
104CDMCCDS-R68MC	0.68±20%	2.25(1.95)	33.0(39.0)	(23.5)
104CDMCCDS-R80MC	0.80±20%	2.42(2.10)	27.0(32.0)	(23.0)
104CDMCCDS-1R0MC	1.0±20%	3.05(2.65)	26.0(31.0)	(19.5)
104CDMCCDS-1R5MC	1.5±20%	3.80(3.30)	24.0(29.0)	(19.0)
104CDMCCDS-2R2MC	2.2±20%	7.00(6.00)	18.0(21.0)	(15.0)
104CDMCCDS-3R3MC	3.3±20%	12.0(10.0)	16.0(18.0)	(12.0)
104CDMCCDS-4R7MC	4.7±20%	14.8(12.8)	14.0(16.0)	(11.0)
104CDMCCDS-6R8MC	6.8±20%	25.0(22.0)	11.0(12.5)	(8.50)
104CDMCCDS-8R2MC	8.2±20%	27.0(25.0)	10.0(12.0)	(8.30)
104CDMCCDS-100MC	10±20%	30.0(27.0)	8.50(10.0)	(7.50)
104CDMCCDS-150MC	15±20%	45.0(40.0)	6.10(7.20)	(6.30)
104CDMCCDS-220MC	22±20%	66.0(58.0)	5.50(6.50)	(5.00)
104CDMCCDS-330MC	33±20%	92.0(85.0)	4.40(5.20)	(4.10)
104CDMCCDS-470MC	47±20%	145(130)	3.60(4.30)	(3.20)
104CDMCCDS-680MC	68±20%	195(178)	3.40(4.00)	(2.50)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 20%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=25°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から20%低下する直流電流値。
*B Isat（直流重畳電流）: インダクタンスが初期値から30%低下する直流電流値。
*C Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=25℃)

Weight (Ref.) / 重量(参考値)

104CDMCD/DS 2.3g
104CDMCC/DS 2.2g

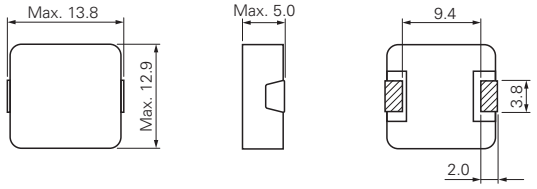
Packing Quantity / 梱包数量

104CDMCD/DS 500pcs/reel
104CDMCC/DS 500pcs/reel

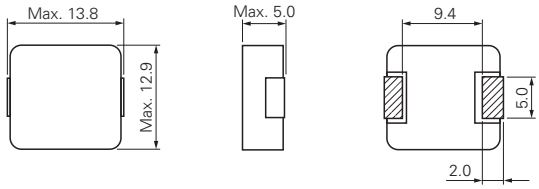
125CDMCC/DS

DIMENSIONS (mm)
外形寸法図

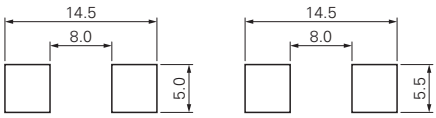
<0.36μH~2.2μH>



<3.3μH~47μH>



LAND PATTERN (mm)
推奨ランド寸法



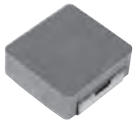
(0.36μH~2.2μH) (3.3μH~47μH)

WIRE
線種

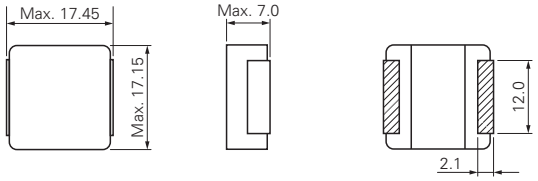
Operating Temperature Range
使用温度範囲:−55℃~+125℃

Part No.	L (μH)	125CDMCC/DS D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
125CDMCCDS-R36MC	0.36±20%	0.95(0.72)	68.0(80.0)	(40.0)
125CDMCCDS-R47MC	0.47±20%	1.10(0.80)	53.0(62.0)	(37.0)
125CDMCCDS-R68MC	0.68±20%	1.30(1.10)	51.0(60.0)	(33.0)
125CDMCCDS-R82MC	0.82±20%	1.80(1.50)	42.5(50.0)	(31.0)
125CDMCCDS-1R0MC	1.0±20%	1.90(1.60)	40.0(47.0)	(28.0)
125CDMCCDS-1R5MC	1.5±20%	3.30(2.80)	32.0(38.0)	(22.0)
125CDMCCDS-1R8MC	1.8±20%	3.50(3.00)	30.0(35.0)	(21.0)
125CDMCCDS-2R2MC	2.2±20%	4.20(3.50)	29.0(34.0)	(20.0)
125CDMCCDS-3R3MC	3.3±20%	7.80(6.50)	23.0(27.0)	(17.0)
125CDMCCDS-4R7MC	4.7±20%	10.0(8.40)	19.0(22.0)	(14.0)
125CDMCCDS-6R8MC	6.8±20%	18.0(14.5)	14.0(17.0)	(11.0)
125CDMCCDS-8R2MC	8.2±20%	19.0(16.0)	13.0(15.0)	(10.0)
125CDMCCDS-100MC	10.0±20%	22.0(19.0)	12.0(14.0)	(9.00)
125CDMCCDS-150MC	15.0±20%	26.0(22.0)	9.40(11.0)	(8.50)
125CDMCCDS-220MC	22.0±20%	40.4(33.7)	7.20(8.50)	(6.50)
125CDMCCDS-330MC	33.0±20%	57.0(47.5)	6.10(7.20)	(6.00)
125CDMCCDS-470MC	47.0±20%	97.2(81.0)	5.40(6.30)	(4.50)

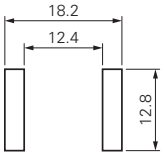
177CDMCC/DS



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

Operating Temperature Range
使用温度範囲:−55℃~+125℃

Part No.	L (μH)	177CDMCC/DS D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
177CDMCCDS-R47MC	0.47±20%	0.90(0.78)	72.6(85.5)	(57.0)
177CDMCCDS-R68MC	0.68±20%	1.21(1.05)	68.0(80.0)	(47.0)
177CDMCCDS-1R0MC	1.0±20%	1.38(1.20)	51.6(60.8)	(44.6)
177CDMCCDS-2R2MC	2.2±20%	2.65(2.30)	34.6(40.8)	(31.2)
177CDMCCDS-3R3MC	3.3±20%	3.11(2.70)	27.0(31.8)	(26.5)
177CDMCCDS-4R7MC	4.7±20%	4.83(4.20)	29.7(35.0)	(18.0)
177CDMCCDS-6R8MC	6.8±20%	7.13(6.20)	21.0(24.7)	(16.7)
177CDMCCDS-8R2MC	8.2±20%	9.20(8.00)	19.2(22.6)	(14.5)
177CDMCCDS-100MC	10±20%	10.6(9.20)	18.0(21.3)	(13.5)
177CDMCCDS-150MC	15±20%	14.7(12.8)	14.5(17.0)	(12.5)
177CDMCCDS-220MC	22±20%	25.3(22.0)	13.6(16.0)	(8.80)
177CDMCCDS-330MC	33±20%	38.0(33.0)	9.60(11.4)	(7.20)
177CDMCCDS-470MC	47±20%	49.2(42.8)	7.70(9.10)	(6.50)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=25°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から30%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=25℃)

Weight (Ref.) / 重量(参考値)

125CDMCC/DS 4.5g
177CDMCC/DS 11.5g

Packing Quantity / 梱包数量

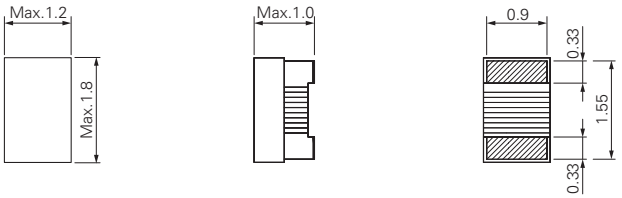
125CDMCC/DS 500pcs/reel
177CDMCC/DS 200pcs/reel

ODM Products
SMD Non-Shielded Type
Standard Series (開磁インダクタ)

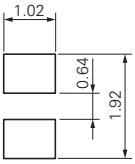
OUTLINE / 概要
High-frequency filter
高周波フィルタ

0603CDWLF/DS

DIMENSIONS (mm) 外形寸法図



LAND PATTERN (mm) 推奨ランド寸法



WIRE 線種

CONSTRUCTION 磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

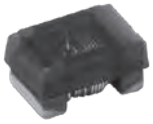
Part No.	L (μH)	0603CDWLF/DS			
		D.C.R.(mΩ) Max. at 25°C	S.R.F. (Typ.) (MHz)	Isat (A)*A Max.(Typ.) at 25°C	Irms (A)*B (Typ.)
0603CDWLFDS-R47KC	0.47±10%	338	(244)	0.78(0.92)	(0.61)
0603CDWLFDS-R68KC	0.68±10%	351	(158)	0.76(0.90)	(0.50)
0603CDWLFDS-1R0KC	1.0±10%	416	(134)	0.73(0.86)	(0.48)
0603CDWLFDS-1R8KC	1.8±10%	559	(113)	0.54(0.64)	(0.42)
0603CDWLFDS-2R2KC	2.2±10%	728	(95.0)	0.51(0.60)	(0.41)
0603CDWLFDS-3R3KC	3.3±10%	910	(80.0)	0.42(0.50)	(0.34)
0603CDWLFDS-4R7KC	4.7±10%	1,261	(56.0)	0.34(0.40)	(0.33)
0603CDWLFDS-6R8KC	6.8±10%	1,950	(50.0)	0.29(0.34)	(0.23)
0603CDWLFDS-100KC	10±10%	2,405	(47.0)	0.24(0.28)	(0.21)
0603CDWLFDS-150KC	15±10%	4,440	(26.0)	0.20(0.24)	(0.14)
0603CDWLFDS-220KC	22±10%	5,640	(24.0)	0.17(0.20)	(0.12)
0603CDWLFDS-330KC	33±10%	7,320	(22.0)	0.10(0.12)	(0.11)
0603CDWLFDS-470KC	47±10%	8,640	(16.0)	0.08(0.10)	(0.09)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=25°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から30%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=25℃)

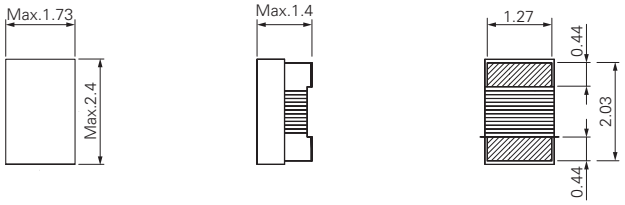
Weight (Ref.) / 重量(参考値)
0603CDWLF/DS 0.01g

Packing Quantity / 梱包数量
0603CDWLF/DS 4,000pcs/reel

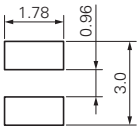
0805CDWLF/DS



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	0805CDWLF/DS			
		D.C.R.(mΩ) Max. at 25°C	S.R.F. (Typ.) (MHz)	Isat (A)*A Max.(Typ.) at 25°C	Irms (A)*B Max.(Typ.)
0805CDWLFDS-R10KC	0.10±10%	91.0	(500)	2.04(2.40)	(1.27)
0805CDWLFDS-R15KC	0.15±10%	104	(500)	1.61(1.90)	(1.14)
0805CDWLFDS-R47KC	0.47±10%	156	(500)	1.19(1.40)	(0.98)
0805CDWLFDS-1R0KC	1.0±10%	205	(129)	0.93(1.10)	(0.78)
0805CDWLFDS-2R2KC	2.2±10%	286	(101)	0.63(0.74)	(0.64)
0805CDWLFDS-2R7KC	2.7±10%	325	(84.4)	0.58(0.68)	(0.58)
0805CDWLFDS-3R3KC	3.3±10%	364	(75.1)	0.52(0.62)	(0.56)
0805CDWLFDS-3R9KC	3.9±10%	494	(70.9)	0.49(0.58)	(0.46)
0805CDWLFDS-4R7KC	4.7±10%	559	(56.1)	0.44(0.52)	(0.43)
0805CDWLFDS-6R8KC	6.8±10%	884	(41.9)	0.35(0.42)	(0.37)
0805CDWLFDS-8R2KC	8.2±10%	949	(47.1)	0.34(0.40)	(0.33)
0805CDWLFDS-100KC	10±10%	1,105	(41.9)	0.30(0.36)	(0.30)
0805CDWLFDS-120KC	12±10%	1,170	(37.2)	0.29(0.34)	(0.28)
0805CDWLFDS-150KC	15±10%	1,820	(33.1)	0.25(0.30)	(0.22)
0805CDWLFDS-220KC	22±10%	2,288	(26.2)	0.20(0.24)	(0.20)
0805CDWLFDS-270KC	27±10%	2,600	(22.0)	0.18(0.22)	(0.18)
0805CDWLFDS-330KC	33±10%	3,678	(20.7)	0.17(0.20)	(0.17)
0805CDWLFDS-390KC	39±10%	4,355	(19.6)	0.15(0.18)	(0.13)
0805CDWLFDS-470KC	47±10%	6,604	(14.6)	0.13(0.16)	(0.12)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=25°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=25℃)

Weight (Ref.) / 重量(参考値)
0805CDWLF/DS 0.01g

Packing Quantity / 梱包数量
0805CDWLF/DS 2,000pcs/reel

SMD Shielded Type

CDRH**D**(/**) Standerd Series (閉磁インダクタ)

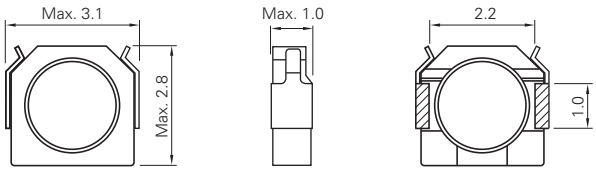
OUTLINE / 概要

3mm sq.~16mm sq. footprint standard shielded type power inductors.
We have a wide range of product line-up in order to meet various market needs.

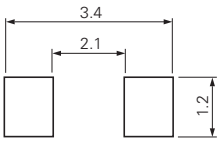
3mm～16mm角の閉磁インダクタです。
様々なニーズに対応するため、幅広い製品ラインナップを取り揃えています。

CDRH26D09

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

●

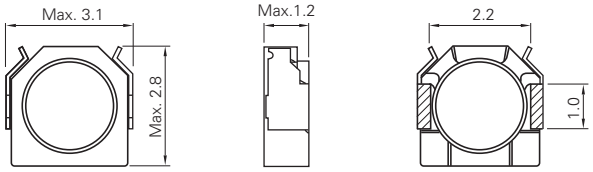
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

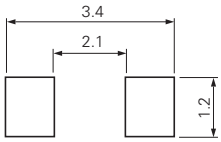
Part No.	L (μH)	CDRH26D09 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 105°C	Irms (A)*B (Typ.)
CDRH26D09NP-1R2PC	1.2±25%	105(83.8)	1.32(1.70)	1.08(1.32)	(1.45)
CDRH26D09NP-1R5PC	1.5±25%	118(94.0)	1.21(1.43)	1.00(1.23)	(1.30)
CDRH26D09NP-2R2PC	2.2±25%	154(123)	1.05(1.23)	0.88(1.05)	(1.00)
CDRH26D09NP-3R3PC	3.3±25%	238(190)	0.80(1.04)	0.67(0.82)	(0.85)
CDRH26D09NP-4R7PC	4.7±25%	286(229)	0.66(0.83)	0.56(0.66)	(0.72)
CDRH26D09NP-6R8PC	6.8±25%	453(362)	0.55(0.71)	0.45(0.59)	(0.58)
CDRH26D09NP-8R2PC	8.2±25%	483(386)	0.50(0.65)	0.42(0.57)	(0.54)
CDRH26D09NP-100PC	10±25%	675(540)	0.47(0.56)	0.40(0.51)	(0.45)

CDRH26D11

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

●

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDRH26D11 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 105°C	Irms (A)*B (Typ.)
CDRH26D11NP-1R0NC	1.0 ±30%	67.5(54.0)	1.30(1.64)	1.05(1.31)	(1.70)
CDRH26D11NP-1R5PC	1.5 ±25%	77.5(62.0)	1.20(1.50)	0.98(1.22)	(1.60)
CDRH26D11NP-2R2PC	2.2 ±25%	111(81.1)	0.98(1.25)	0.85(1.07)	(1.25)
CDRH26D11NP-2R7PC	2.7 ±25%	122(97.7)	0.88(1.15)	0.74(0.94)	(1.15)
CDRH26D11NP-3R3PC	3.3 ±25%	135(108)	0.75(0.96)	0.65(0.82)	(1.05)
CDRH26D11NP-4R7PC	4.7 ±25%	225(180)	0.64(0.79)	0.52(0.62)	(0.80)
CDRH26D11NP-5R6PC	5.6 ±25%	261(209)	0.59(0.72)	0.50(0.58)	(0.75)
CDRH26D11NP-6R8PC	6.8 ±25%	280(224)	0.56(0.70)	0.45(0.57)	(0.70)
CDRH26D11NP-8R2PC	8.2 ±25%	386(309)	0.47(0.58)	0.40(0.48)	(0.60)
CDRH26D11NP-100PC	10 ±25%	431(345)	0.44(0.55)	0.38(0.46)	(0.52)
CDRH26D11NP-120PC	12 ±25%	601(481)	0.39(0.49)	0.33(0.40)	(0.43)
CDRH26D11NP-150PC	15 ±25%	694(555)	0.36(0.46)	0.31(0.38)	(0.40)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

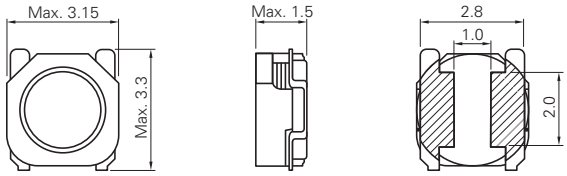
CDRH26D09 0.03g
CDRH26D11 0.03g

Packing Quantity / 梱包数量

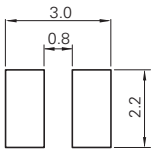
CDRH26D09 3,000pcs/reel
CDRH26D11 3,000pcs/reel

CDRH30D14R

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

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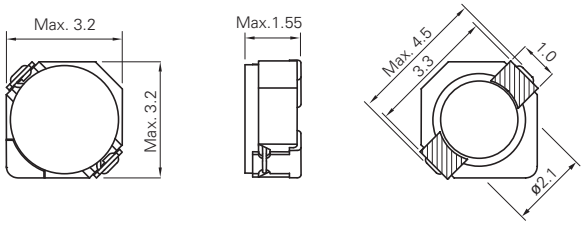
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

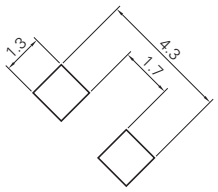
Part No.	L (μH)	CDRH30D14R			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max. at 20°C	Isat (A)*A Max. at 100°C	Irms (A)*C (Typ.)
CDRH30D14RNP-1R0NC	1.0±30%	48.8(39.0)	1.90	1.40	(2.43)
CDRH30D14RNP-1R4NC	1.4±30%	62.5(50.0)	1.60	1.20	(2.10)
CDRH30D14RNP-2R2NC	2.2±30%	92.5(74.0)	1.30	1.00	(1.62)
CDRH30D14RNP-3R3MC	3.3±20%	133(111)	1.05	0.80	(1.28)
CDRH30D14RNP-4R7MC	4.7±20%	184(153)	0.90	0.68	(1.16)
CDRH30D14RNP-6R4MC	6.4±20%	268(223)	0.75	0.56	(0.95)
CDRH30D14RNP-100MC	10±20%	473(394)	0.60	0.46	(0.63)

CDRH2D14

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

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CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

Part No.	L (μH)	CDRH2D14			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*B Max.(Typ.) at 20°C	Isat (A)*B Max.(Typ.) at 100°C	Irms (A)*C (Typ.)
CDRH2D14NP-R21NC	0.21±35%	21.0(16.0)	3.80(4.75)	2.70(3.40)	(4.74)
CDRH2D14NP-R36NC	0.36±35%	26.0(20.0)	3.25(3.88)	2.55(3.00)	(4.10)
CDRH2D14NP-R60NC	0.60±35%	33.0(25.0)	2.20(2.75)	1.75(2.06)	(3.45)
CDRH2D14NP-R82NC	0.82±35%	39.0(30.0)	2.10(2.45)	1.68(1.79)	(2.85)
CDRH2D14NP-1R2NC	1.2±30%	49.0(28.0)	1.95(2.16)	1.35(1.55)	(2.75)
CDRH2D14NP-1R5NC	1.5±30%	63.0(50.0)	1.80(2.10)	1.20(1.40)	(2.00)
CDRH2D14NP-1R8NC	1.8±30%	75.0(60.0)	1.65(1.76)	1.10(1.30)	(1.80)
CDRH2D14NP-2R2NC	2.2±30%	94.0(75.0)	1.50(1.65)	1.00(1.23)	(1.60)
CDRH2D14NP-2R7NC	2.7±30%	106(85.0)	1.35(1.55)	0.90(1.08)	(1.40)
CDRH2D14NP-3R3NC	3.3±30%	125(100)	1.20(1.40)	0.82(1.00)	(1.24)
CDRH2D14NP-3R9NC	3.9±30%	138(110)	1.10(1.30)	0.75(0.93)	(1.12)
CDRH2D14NP-4R7NC	4.7±30%	169(135)	1.00(1.23)	0.68(0.78)	(1.00)
CDRH2D14NP-5R6NC	5.6±30%	188(150)	0.95(1.15)	0.60(0.75)	(0.98)
CDRH2D14NP-6R8NC	6.8±30%	213(170)	0.85(1.03)	0.56(0.73)	(0.92)
CDRH2D14NP-8R2NC	8.2±30%	281(225)	0.80(0.99)	0.51(0.62)	(0.80)
CDRH2D14NP-100NC	10±30%	294(235)	0.70(0.84)	0.46(0.60)	(0.76)
CDRH2D14NP-120NC	12±30%	394(315)	0.62(0.80)	0.42(0.55)	(0.64)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause nominal inductance value to drop approximately 30%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが公称値の30%低下する直流電流値。
*B Isat（直流重畳電流）: インダクタンスが初期値から35%低下する直流電流値。
*C Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

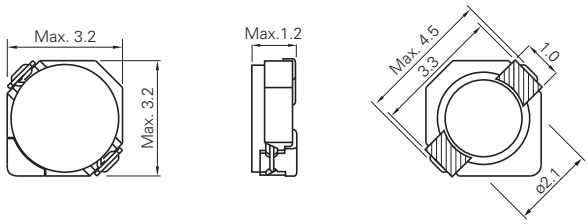
CDRH30D14R 0.03g
CDRH2D14 0.04g

Packing Quantity / 梱包数量

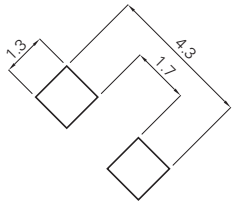
CDRH30D14R 4,000pcs/reel
CDRH2D14 1,000pcs/reel

CDRH2D11B/HP

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

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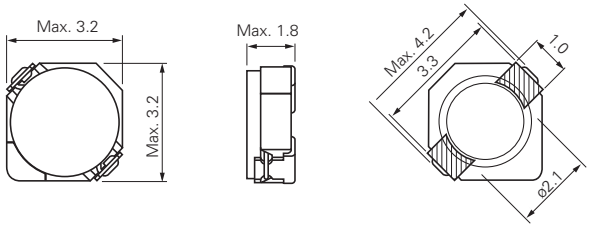
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

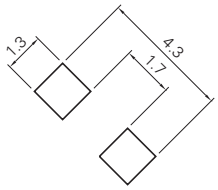
Part No.	L (μH)	CDRH2D11B/HP			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 105°C	Irms (A)*B (Typ.)
CDRH2D11BHPHF-1R0PC	1.0±25%	68.6(54.9)	2.10(2.28)	1.70(1.88)	(1.75)
CDRH2D11BHPHF-1R5PC	1.5±25%	104(83.1)	1.65(1.85)	1.40(1.52)	(1.45)
CDRH2D11BHPHF-1R8PC	1.8±25%	116(92.9)	1.50(1.72)	1.30(1.40)	(1.30)
CDRH2D11BHPHF-2R2PC	2.2±25%	133(107)	1.40(1.52)	1.20(1.30)	(1.15)
CDRH2D11BHPHF-3R3PC	3.3±25%	195(157)	1.15(1.27)	0.94(1.04)	(0.95)
CDRH2D11BHPHF-4R7PC	4.7±25%	235(188)	0.95(1.11)	0.80(0.86)	(0.80)
CDRH2D11BHPHF-5R6PC	5.6±25%	282(226)	0.90(1.00)	0.75(0.82)	(0.76)
CDRH2D11BHPHF-6R8PC	6.8±25%	359(288)	0.78(0.87)	0.65(0.73)	(0.65)
CDRH2D11BHPHF-8R2PC	8.2±25%	406(325)	0.73(0.81)	0.60(0.65)	(0.62)
CDRH2D11BHPHF-100PC	10±25%	553(442)	0.63(0.71)	0.52(0.57)	(0.52)

CDRH2D16/LD

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

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CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

Part No.	L (μH)	CDRH2D16/LD			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 100°C	Irms (A)*B (Typ.)
CDRH2D16LDNP-2R2NC	2.2±30%	47.0(38.0)	0.86(1.12)	0.65(0.78)	(2.20)
CDRH2D16LDNP-2R7NC	2.7±30%	61.0(49.0)	0.82(1.05)	0.60(0.71)	(1.90)
CDRH2D16LDNP-3R3NC	3.3±30%	67.0(54.0)	0.72(0.88)	0.52(0.63)	(1.74)
CDRH2D16LDNP-3R9NC	3.9±30%	75.0(60.0)	0.70(0.81)	0.48(0.56)	(1.60)
CDRH2D16LDNP-4R7NC	4.7±30%	101(81.0)	0.62(0.73)	0.45(0.54)	(1.32)
CDRH2D16LDNP-5R6NC	5.6±30%	123(98.0)	0.57(0.67)	0.40(0.47)	(1.25)
CDRH2D16LDNP-6R8NC	6.8±30%	158(127)	0.50(0.60)	0.35(0.42)	(1.00)
CDRH2D16LDNP-8R2NC	8.2±30%	171(137)	0.45(0.54)	0.33(0.40)	(0.95)
CDRH2D16LDNP-100NC	10±30%	195(156)	0.42(0.48)	0.30(0.35)	(0.92)
CDRH2D16LDNP-120NC	12±30%	223(179)	0.39(0.45)	0.28(0.33)	(0.85)
CDRH2D16LDNP-150NC	15±30%	248(198)	0.35(0.42)	0.26(0.30)	(0.81)
CDRH2D16LDNP-180NC	18±30%	316(252)	0.32(0.37)	0.23(0.26)	(0.73)
CDRH2D16LDNP-220NC	22±30%	418(335)	0.28(0.33)	0.21(0.25)	(0.60)
CDRH2D16LDNP-270NC	27±30%	466(373)	0.26(0.31)	0.18(0.22)	(0.53)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から35%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

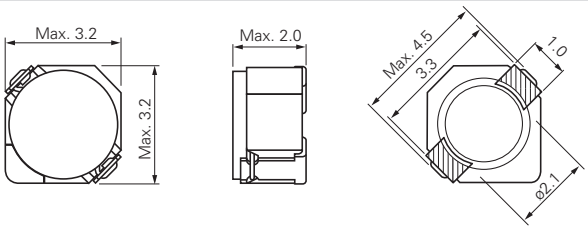
CDRH2D11B/HP 0.04g
CDRH2D16/LD 0.06g

Packing Quantity / 梱包数量

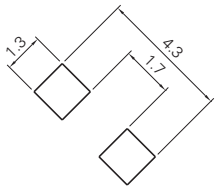
CDRH2D11B/HP 1,500pcs/reel
CDRH2D16/LD 1,000pcs/reel

CDRH2D18/HP

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

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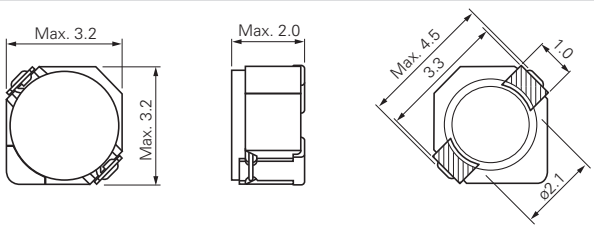
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

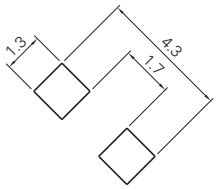
Part No.	L (μH)	CDRH2D18/HP			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 100°C	Irms (A)*B (Typ.)
CDRH2D18/HPNP-R20NC	0.20±35%	22.0(17.0)	5.35(6.01)	3.55(4.06)	(4.70)
CDRH2D18/HPNP-R36NC	0.36±35%	29.0(22.0)	4.62(5.07)	3.00(3.40)	(4.10)
CDRH2D18/HPNP-R56NC	0.56±35%	33.0(25.0)	3.75(3.99)	2.76(3.02)	(3.60)
CDRH2D18/HPNP-R82NC	0.82±35%	39.0(30.0)	2.91(3.32)	2.20(2.45)	(3.30)
CDRH2D18/HPNP-1R1NC	1.1±35%	43.0(33.0)	2.50(2.72)	1.90(1.99)	(2.90)
CDRH2D18/HPNP-1R7NC	1.7±30%	44.0(35.0)	1.85(2.20)	1.36(1.58)	(2.20)
CDRH2D18/HPNP-2R2NC	2.2±30%	60.0(48.0)	1.60(1.90)	1.15(1.32)	(1.90)
CDRH2D18/HPNP-3R3NC	3.3±30%	86.0(69.0)	1.45(1.63)	1.10(1.23)	(1.55)
CDRH2D18/HPNP-4R7NC	4.7±30%	140(110)	1.20(1.35)	0.90(0.97)	(1.20)
CDRH2D18/HPNP-6R3NC	6.3±30%	160(128)	1.05(1.19)	0.78(0.85)	(1.15)
CDRH2D18/HPNP-100NC	10±30%	245(195)	0.85(1.00)	0.65(0.72)	(0.90)
CDRH2D18/HPNP-150NC	15±30%	345(275)	0.70(0.76)	0.53(0.55)	(0.64)

CDRH2D18/LD

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

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CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDRH2D18/LD			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 100°C	Irms (A)*B (Typ.)
CDRH2D18/LDNP-2R2NC	2.2±30%	41.0(33.0)	0.85(1.06)	0.67(0.77)	(2.30)
CDRH2D18/LDNP-3R3NC	3.3±30%	54.0(43.0)	0.75(0.85)	0.55(0.63)	(2.10)
CDRH2D18/LDNP-4R7NC	4.7±30%	78.0(62.0)	0.63(0.71)	0.47(0.49)	(1.65)
CDRH2D18/LDNP-6R8NC	6.8±30%	106(85.0)	0.52(0.62)	0.40(0.46)	(1.32)
CDRH2D18/LDNP-100NC	10±30%	180(145)	0.43(0.48)	0.33(0.35)	(1.00)
CDRH2D18/LDNP-150NC	15±30%	220(175)	0.35(0.40)	0.28(0.29)	(0.80)
CDRH2D18/LDNP-220NC	22±30%	320(255)	0.30(0.33)	0.22(0.23)	(0.68)
CDRH2D18/LDNP-330NC	33±30%	460(370)	0.24(0.27)	0.18(0.19)	(0.56)
CDRH2D18/LDNP-470NC	47±30%	660(530)	0.20(0.23)	0.15(0.16)	(0.48)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から35%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

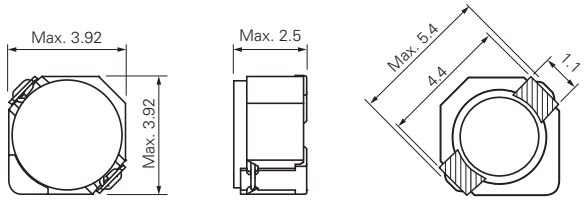
CDRH2D18/HP 0.06g
CDRH2D18/LD 0.06g

Packing Quantity / 梱包数量

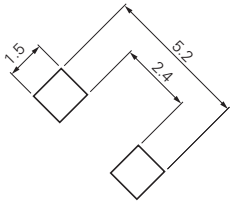
CDRH2D18/HP 1,000pcs/reel
CDRH2D18/LD 1,000pcs/reel

CDRH3D23

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

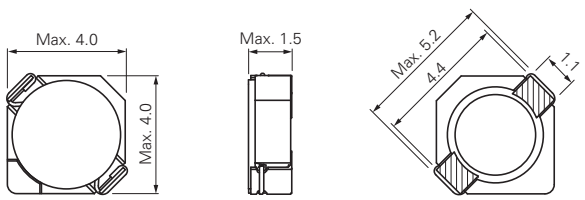
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

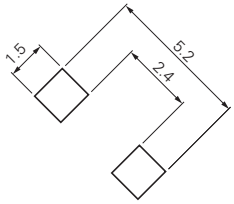
Part No.	L (μH)	CDRH3D23 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 105°C	Irms (A)*B (Typ.)
CDRH3D23NP-R47NC	0.47±30%	23.5(18.8)	3.10(3.45)	2.40(2.75)	(3.30)
CDRH3D23NP-1R0PC	1.0±25%	25.0(20.0)	2.80(3.30)	2.00(2.35)	(3.10)
CDRH3D23NP-1R5PC	1.5±25%	29.0(24.0)	2.20(2.67)	1.65(1.92)	(2.90)
CDRH3D23NP-2R2PC	2.2±25%	38.3(31.0)	1.80(2.10)	1.30(1.52)	(2.50)
CDRH3D23NP-3R3PC	3.3±25%	56.3(45.0)	1.45(1.70)	1.10(1.28)	(2.20)
CDRH3D23NP-4R7PC	4.7±25%	68.8(55.0)	1.30(1.52)	0.95(1.10)	(1.90)
CDRH3D23NP-5R6PC	5.6±25%	75.0(60.0)	1.10(1.28)	0.80(1.00)	(1.80)
CDRH3D23NP-6R8PC	6.8±25%	87.8(72.0)	1.00(1.17)	0.75(0.84)	(1.70)
CDRH3D23NP-8R2PC	8.2±25%	94.8(77.0)	0.95(1.10)	0.70(0.81)	(1.60)
CDRH3D23NP-100MC	10±20%	117(95.0)	0.85(0.95)	0.60(0.68)	(1.40)
CDRH3D23NP-150MC	15±20%	191(154)	0.70(0.81)	0.50(0.56)	(0.85)
CDRH3D23NP-220MC	22±20%	270(219)	0.55(0.63)	0.40(0.45)	(0.75)
CDRH3D23NP-330MC	33±20%	381(307)	0.50(0.56)	0.35(0.41)	(0.60)
CDRH3D23NP-470MC	47±20%	546(441)	0.35(0.41)	0.25(0.30)	(0.55)

CDRH3D14

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDRH3D14 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 105°C	Irms (A)*B (Typ.)
CDRH3D14NP-1R2NC	1.2±25%	45.0(36.0)	2.15(2.35)	1.50(1.65)	(2.20)
CDRH3D14NP-1R7NC	1.7±25%	63.0(50.0)	1.85(2.02)	1.35(1.45)	(2.00)
CDRH3D14NP-2R2NC	2.2±25%	69.0(55.0)	1.60(1.82)	1.25(1.32)	(1.75)
CDRH3D14NP-2R7NC	2.7±25%	88.0(70.0)	1.45(1.65)	1.15(1.28)	(1.36)
CDRH3D14NP-3R3NC	3.3±25%	100(80.0)	1.35(1.45)	0.96(1.01)	(1.24)
CDRH3D14NP-3R9NC	3.9±25%	135(110)	1.15(1.30)	0.82(0.89)	(1.12)
CDRH3D14NP-4R7NC	4.7±25%	150(120)	1.10(1.16)	0.76(0.84)	(0.96)
CDRH3D14NP-8R2NC	8.2±25%	238(190)	0.82(0.89)	0.64(0.66)	(0.79)
CDRH3D14NP-100NC	10±25%	262(210)	0.75(0.83)	0.55(0.58)	(0.69)
CDRH3D14NP-120NC	12±25%	350(280)	0.67(0.71)	0.50(0.52)	(0.60)
CDRH3D14NP-150NC	15±25%	488(390)	0.60(0.68)	0.48(0.50)	(0.58)
CDRH3D14NP-220NC	22±25%	575(460)	0.52(0.56)	0.37(0.39)	(0.43)

Other / その他

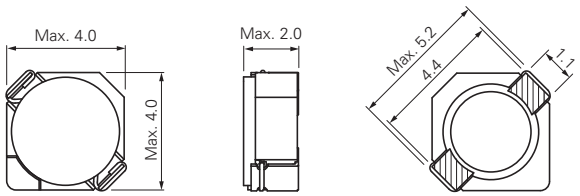
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から35%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDRH3D23 0.1g
CDRH3D14 0.07g

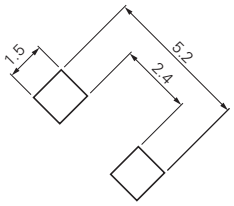
Packing Quantity / 梱包数量
CDRH3D23 500pcs/reel
CDRH3D14 1,000pcs/reel

CDRH3D18

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

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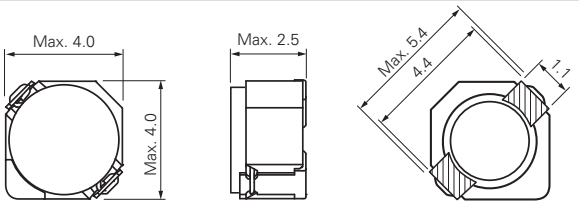
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

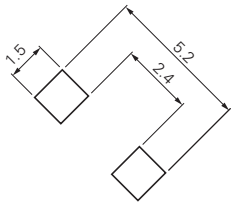
Part No.	L (μH)	CDRH3D18			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 100°C	Irms (A)*C (Typ.)
CDRH3D18NP-1R0NC	1.0±30%	50.0(40.0)	2.80(3.23)	2.00(2.34)	(2.40)
CDRH3D18NP-2R2NC	2.2±30%	63.0(50.0)	1.80(2.12)	1.30(1.51)	(2.00)
CDRH3D18NP-3R0NC	3.0±30%	69.0(55.0)	1.60(1.83)	1.20(1.27)	(1.80)
CDRH3D18NP-4R7NC	4.7±30%	108(86.0)	1.35(1.44)	0.95(1.04)	(1.35)
CDRH3D18NP-6R8NC	6.8±30%	150(120)	1.10(1.22)	0.80(0.85)	(1.10)
CDRH3D18NP-100NC	10±30%	205(164)	0.90(1.01)	0.65(0.72)	(0.90)
CDRH3D18NP-120NC	12±30%	275(220)	0.80(0.91)	0.60(0.63)	(0.80)
CDRH3D18NP-150NC	15±30%	302(241)	0.75(0.82)	0.55(0.61)	(0.75)
CDRH3D18NP-220NC	22±30%	424(339)	0.60(0.66)	0.45(0.49)	(0.60)
CDRH3D18NP-330NC	33±30%	640(512)	0.50(0.54)	0.35(0.40)	(0.45)
CDRH3D18NP-470NC	47±30%	964(771)	0.40(0.45)	0.30(0.32)	(0.35)

CDRH3D23/HP

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

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CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDRH3D23/HP			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*B Max.(Typ.) at 20°C	Isat (A)*B Max.(Typ.) at 105°C	Irms (A)*C (Typ.)
CDRH3D23HPNP-1R2PC	1.2±25%	40.4(32.3)	3.52(4.40)	3.00(3.75)	(2.55)
CDRH3D23HPNP-2R2PC	2.2±25%	50.3(40.2)	2.60(3.25)	2.24(2.80)	(2.25)
CDRH3D23HPNP-2R7PC	2.7±25%	62.3(49.8)	2.40(3.00)	2.08(2.60)	(2.00)
CDRH3D23HPNP-3R3PC	3.3±25%	70.0(56.0)	2.20(2.75)	1.90(2.40)	(1.85)
CDRH3D23HPNP-4R7PC	4.7±25%	95.5(76.4)	1.84(2.30)	1.57(1.96)	(1.60)
CDRH3D23HPNP-5R6PC	5.6±25%	102(81.2)	1.66(2.08)	1.44(1.80)	(1.50)
CDRH3D23HPNP-6R8PC	6.8±25%	136(109)	1.52(1.90)	1.30(1.62)	(1.30)
CDRH3D23HPNP-8R2PC	8.2±25%	145(116)	1.36(1.70)	1.18(1.48)	(1.25)
CDRH3D23HPNP-100MC	10±20%	198(158)	1.28(1.60)	1.08(1.32)	(1.02)
CDRH3D23HPNP-120MC	12±20%	249(199)	1.14(1.40)	0.97(1.16)	(0.95)
CDRH3D23HPNP-150MC	15±20%	276(221)	1.02(1.28)	0.88(1.08)	(0.90)
CDRH3D23HPNP-220MC	22±20%	383(306)	0.80(1.00)	0.65(0.92)	(0.70)
CDRH3D23HPNP-330MC	33±20%	555(444)	0.68(0.85)	0.58(0.72)	(0.58)
CDRH3D23HPNP-470MC	47±20%	798(638)	0.56(0.70)	0.48(0.60)	(0.45)

Other / その他
- *A Isat (Saturation Current) : "Isat (A)" that will cause nominal inductance value to drop approximately 35%.
- *B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
- *C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
- *A Isat（直流重畳電流）: インダクタンスが公称値の35%低下する直流電流値。
- *B Isat（直流重畳電流）: インダクタンスが初期値から30%低下する直流電流値。
- *C Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

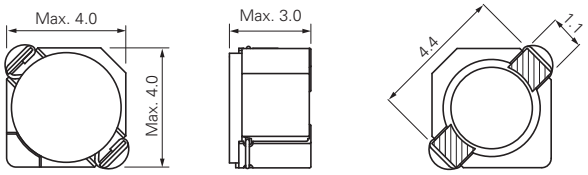
CDRH3D18	0.09g
CDRH3D23/HP	0.1g

Packing Quantity / 梱包数量

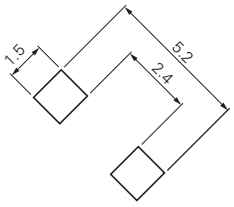
CDRH3D18	1,000pcs/reel
CDRH3D23/HP	500pcs/reel

CDRH3D28

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

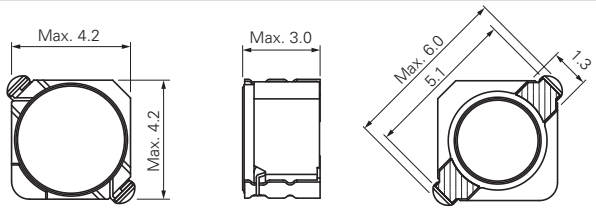
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

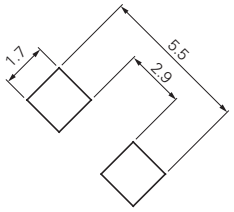
Part No.	L (μH)	CDRH3D28			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 105°C	Irms (A)*B (Typ.)
CDRH3D28NP-1R0NC	1.0±30%	37.5(30.0)	3.00(3.52)	2.40(2.82)	(2.60)
CDRH3D28NP-3R3NC	3.3±30%	72.1(57.7)	2.00(2.35)	1.48(1.75)	(1.85)
CDRH3D28NP-4R7NC	4.7±30%	88.3(70.6)	1.65(1.95)	1.28(1.50)	(1.62)
CDRH3D28NP-6R8NC	6.8±30%	119(95.0)	1.24(1.46)	0.94(1.10)	(1.32)
CDRH3D28NP-100NC	10±30%	145(116)	1.05(1.23)	0.80(0.95)	(1.18)
CDRH3D28NP-150NC	15±30%	213(170)	0.90(1.05)	0.64(0.80)	(1.02)
CDRH3D28NP-220NC	22±30%	335(268)	0.76(0.90)	0.55(0.65)	(0.74)
CDRH3D28NP-330NC	33±30%	481(385)	0.58(0.68)	0.44(0.52)	(0.63)
CDRH3D28NP-470NC	47±30%	599(479)	0.48(0.56)	0.36(0.42)	(0.56)

CDRH40D28

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDRH40D28			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 105°C	Irms (A)*B (Typ.)
CDRH40D28NP-1R5NC	1.5±30%	42.0(33.6)	2.90(3.57)	2.30(2.88)	(2.40)
CDRH40D28NP-2R2NC	2.2±30%	47.0(37.6)	2.20(2.97)	1.90(2.38)	(2.10)
CDRH40D28NP-2R7NC	2.7±30%	52.0(41.2)	2.10(2.74)	1.80(2.25)	(2.00)
CDRH40D28NP-3R3NC	3.3±30%	58.0(46.7)	1.90(2.39)	1.60(2.00)	(1.90)
CDRH40D28NP-4R7NC	4.7±30%	63.0(50.0)	1.65(2.02)	1.40(1.75)	(1.75)
CDRH40D28NP-5R6NC	5.6±30%	75.0(59.6)	1.50(1.88)	1.20(1.50)	(1.60)
CDRH40D28NP-6R8NC	6.8±30%	80.0(64.0)	1.30(1.63)	1.05(1.31)	(1.55)
CDRH40D28NP-100PC	10±25%	125(100)	1.10(1.38)	0.90(1.15)	(1.20)
CDRH40D28NP-120PC	12±25%	151(121)	1.00(1.25)	0.80(1.00)	(1.10)
CDRH40D28NP-150PC	15±25%	218(174)	0.90(1.15)	0.75(0.94)	(0.88)
CDRH40D28NP-180PC	18±25%	231(185)	0.85(1.06)	0.70(0.88)	(0.83)
CDRH40D28NP-220PC	22±25%	264(211)	0.80(1.00)	0.65(0.81)	(0.80)
CDRH40D28NP-330PC	33±25%	420(336)	0.62(0.78)	0.52(0.65)	(0.55)
CDRH40D28NP-390PC	39±25%	619(495)	0.60(0.75)	0.50(0.63)	(0.48)
CDRH40D28NP-470PC	47±25%	685(548)	0.50(0.63)	0.40(0.50)	(0.45)
CDRH40D28NP-560PC	56±25%	755(604)	0.45(0.56)	0.35(0.44)	(0.43)
CDRH40D28NP-680PC	68±25%	836(669)	0.42(0.53)	0.32(0.40)	(0.40)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から35%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

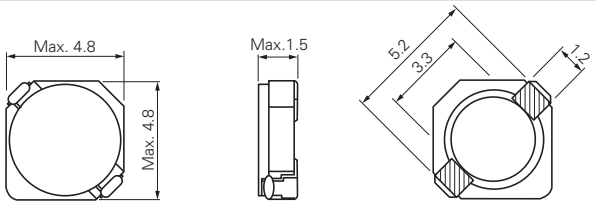
CDRH3D28 0.2g
CDRH40D28 0.2g

Packing Quantity / 梱包数量

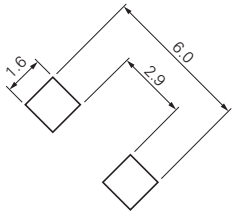
CDRH3D28 500pcs/reel
CDRH40D28 500pcs/reel

CDRH4D14

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

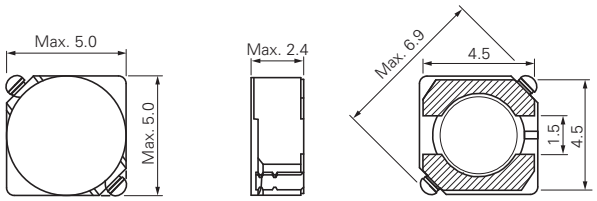
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

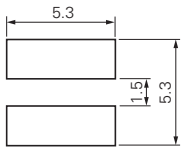
Part No.	L (μH)	CDRH4D14			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.)		Irms (A)*B (Typ.)
			at 20°C	at 100°C	
CDRH4D14NP-1R2NC	1.2±30%	33.0(27.0)	1.90(2.52)	1.20(1.70)	(2.60)
CDRH4D14NP-2R2NC	2.2±30%	48.0(39.0)	1.60(2.03)	1.10(1.46)	(2.35)
CDRH4D14NP-3R0NC	3.0±30%	63.0(51.0)	1.40(1.78)	1.00(1.30)	(2.15)
CDRH4D14NP-4R7NC	4.7±30%	90.0(72.0)	1.10(1.46)	0.80(1.07)	(1.55)
CDRH4D14NP-6R8NC	6.8±30%	125(100)	0.90(1.20)	0.69(0.88)	(1.20)
CDRH4D14NP-8R2NC	8.2±30%	175(138)	0.75(1.00)	0.60(0.77)	(0.99)
CDRH4D14NP-100MC	10±20%	185(150)	0.73(0.93)	0.57(0.72)	(0.90)
CDRH4D14NP-120MC	12±20%	245(193)	0.64(0.85)	0.48(0.61)	(0.80)
CDRH4D14NP-150MC	15±20%	270(220)	0.59(0.76)	0.44(0.55)	(0.74)
CDRH4D14NP-220MC	22±20%	400(320)	0.50(0.64)	0.35(0.47)	(0.63)
CDRH4D14NP-330MC	33±20%	560(450)	0.41(0.52)	0.29(0.37)	(0.50)
CDRH4D14NP-470MC	47±20%	780(630)	0.35(0.46)	0.24(0.31)	(0.42)
CDRH4D14NP-560MC	56±20%	1,085(867)	0.30(0.39)	0.22(0.28)	(0.36)
CDRH4D14NP-680MC	68±20%	1,200(960)	0.28(0.36)	0.20(0.26)	(0.33)

CDRH4D22/HP

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

Part No.	L (μH)	CDRH4D22/HP			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.)		Irms (A)*B (Typ.)
			at 20°C	at 100°C	
CDRH4D22HPNP-1R2NC	1.2±25%	26.5(21.2)	4.20(4.58)	3.40(3.63)	(3.20)
CDRH4D22HPNP-1R5NC	1.5±25%	31.3(25.0)	3.90(4.32)	3.20(3.40)	(3.00)
CDRH4D22HPNP-2R2NC	2.2±25%	44.3(35.4)	3.20(3.54)	2.50(2.73)	(2.40)
CDRH4D22HPNP-2R7NC	2.7±25%	57.8(46.3)	2.80(3.02)	2.35(2.48)	(2.20)
CDRH4D22HPNP-3R5NC	3.5±25%	65.1(52.0)	2.50(2.73)	2.10(2.20)	(2.00)
CDRH4D22HPNP-4R7NC	4.7±25%	82.6(66.0)	2.20(2.38)	1.80(1.88)	(1.80)
CDRH4D22HPNP-5R2NC	5.2±25%	92.8(74.3)	2.00(2.20)	1.65(1.80)	(1.70)
CDRH4D22HPNP-6R3NC	6.3±25%	110(87.9)	1.85(2.05)	1.50(1.65)	(1.40)
CDRH4D22HPNP-8R2NC	8.2±25%	128(103)	1.65(1.80)	1.40(1.52)	(1.35)
CDRH4D22HPNP-100MC	10±20%	144(115)	1.50(1.65)	1.20(1.36)	(1.30)
CDRH4D22HPNP-120MC	12±20%	187(150)	1.30(1.48)	1.10(1.25)	(1.10)
CDRH4D22HPNP-150MC	15±20%	213(170)	1.20(1.36)	1.00(1.10)	(0.85)
CDRH4D22HPNP-180MC	18±20%	239(191)	1.10(1.25)	0.90(1.03)	(0.80)
CDRH4D22HPNP-220MC	22±20%	267(214)	1.05(1.20)	0.85(0.92)	(0.75)
CDRH4D22HPNP-270MC	27±20%	394(315)	0.90(1.03)	0.75(0.84)	(0.70)
CDRH4D22HPNP-330MC	33±20%	449(359)	0.80(0.93)	0.68(0.73)	(0.65)
CDRH4D22HPNP-390MC	39±20%	668(534)	0.75(0.84)	0.60(0.66)	(0.52)
CDRH4D22HPNP-470MC	47±20%	723(579)	0.70(0.79)	0.56(0.63)	(0.50)
CDRH4D22HPNP-560MC	56±20%	810(648)	0.65(0.72)	0.52(0.56)	(0.48)
CDRH4D22HPNP-680MC	68±20%	913(730)	0.60(0.66)	0.48(0.53)	(0.45)
CDRH4D22HPNP-820MC	82±20%	1,221(977)	0.55(0.62)	0.45(0.48)	(0.40)
CDRH4D22HPNP-101MC	100±20%	1,370(1,096)	0.48(0.54)	0.38(0.43)	(0.35)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から35%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

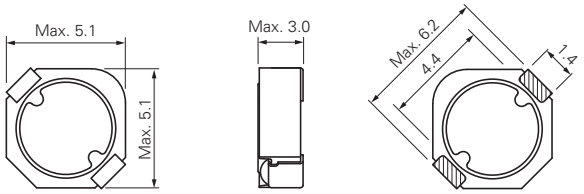
CDRH4D14 0.1g
CDRH4D22/HP 0.2g

Packing Quantity / 梱包数量

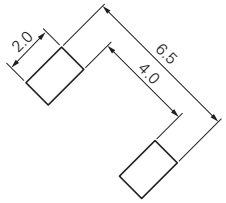
CDRH4D14 1,000pcs/reel
CDRH4D22/HP 2,000pcs/reel

CDRH4D28C/LD

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

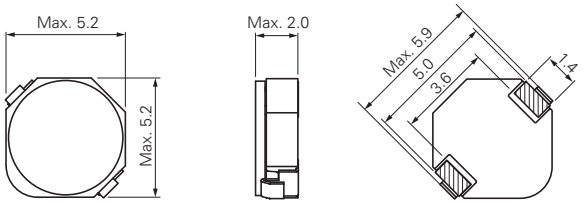
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

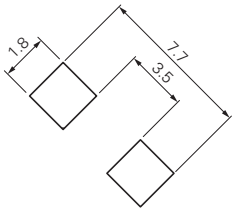
Part No.	L (μH)	CDRH4D28C/LD D.C.R.(mΩ) Max. (Typ.)	CDRH4D28C/LD Isat (A)*A Max.(Typ.) at 20°C	CDRH4D28C/LD Irms (A)*B (Typ.)
CDRH4D28CLDNP-1R0PC	1.0±25%	17.5(14.0)	3.00(3.25)	(4.90)
CDRH4D28CLDNP-2R2PC	2.2±25%	23.8(19.0)	2.00(2.32)	(3.60)
CDRH4D28CLDNP-3R3PC	3.3±25%	28.9(23.0)	1.60(1.85)	(3.20)
CDRH4D28CLDNP-4R7PC	4.7±25%	36.3(29.0)	1.50(1.72)	(2.90)
CDRH4D28CLDNP-6R8PC	6.8±25%	48.8(39.0)	1.20(1.35)	(2.40)
CDRH4D28CLDNP-100PC	10±25%	67.5(54.0)	0.90(1.13)	(1.80)
CDRH4D28CLDNP-150PC	15±25%	93.4(75.0)	0.81(0.92)	(1.60)
CDRH4D28CLDNP-220PC	22±25%	140(112)	0.65(0.72)	(1.25)
CDRH4D28CLDNP-330PC	33±25%	223(179)	0.55(0.62)	(0.92)
CDRH4D28CLDNP-470PC	47±25%	272(218)	0.43(0.49)	(0.86)
CDRH4D28CLDNP-680PC	68±25%	366(293)	0.36(0.41)	(0.72)
CDRH4D28CLDNP-101PC	100±25%	520(416)	0.30(0.34)	(0.61)

CDPH4D19F

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDPH4D19F D.C.R.(mΩ) Max. (Typ.)	CDPH4D19F Isat (A)*A Max.(Typ.) at 20°C	CDPH4D19F Irms (A)*B (Typ.)
CDPH4D19FNP-3R3MC	3.3±20%	33.0(26.0)	1.50(2.00)	(3.80)
CDPH4D19FNP-4R7MC	4.7±20%	38.0(30.0)	1.15(1.48)	(3.30)
CDPH4D19FNP-6R8MC	6.8±20%	50.0(40.0)	1.00(1.25)	(3.02)
CDPH4D19FNP-8R0MC	8.0±20%	56.0(45.0)	0.90(1.20)	(2.68)
CDPH4D19FNP-100MC	10±20%	65.0(52.0)	0.80(0.95)	(2.32)
CDPH4D19FNP-150MC	15±20%	95.0(75.0)	0.66(0.90)	(1.88)
CDPH4D19FNP-220MC	22±20%	135(108)	0.54(0.72)	(1.44)
CDPH4D19FNP-330MC	33±20%	200(160)	0.43(0.60)	(1.25)
CDPH4D19FNP-470MC	47±20%	293(234)	0.36(0.50)	(1.03)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から35%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

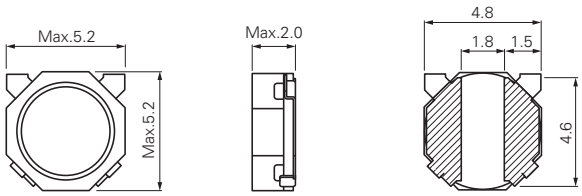
CDRH4D28C/LD 0.2g
CDPH4D19F 0.2g

Packing Quantity / 梱包数量

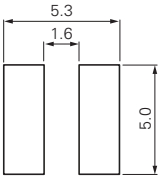
CDRH4D28C/LD 2,000pcs/reel
CDPH4D19F 1,000pcs/reel

CDRH50D18R

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

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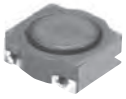
CONSTRUCTION
磁気構造図

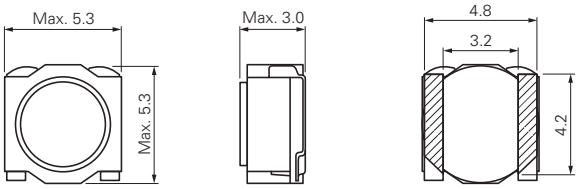
Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDRH50D18R D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 105°C	Irms (A)*B (Typ.)
CDRH50D18RHF-1R0NC	1.0±30%	23.8(19.0)	3.40(4.30)	2.70(3.50)	(4.10)
CDRH50D18RHF-1R5NC	1.5±30%	28.8(23.0)	3.10(4.15)	2.40(3.20)	(3.70)
CDRH50D18RHF-2R2NC	2.2±30%	33.8(27.0)	2.40(3.20)	2.00(2.55)	(3.40)
CDRH50D18RHF-3R3NC	3.3±30%	48.8(39.0)	2.10(2.80)	1.70(2.20)	(2.50)
CDRH50D18RHF-4R7NC	4.7±30%	62.5(50.0)	1.70(2.20)	1.40(1.80)	(2.20)
CDRH50D18RHF-6R8NC	6.8±30%	91.3(73.0)	1.40(1.80)	1.20(1.50)	(1.80)
CDRH50D18RHF-8R2NC	8.2±30%	121(97.0)	1.20(1.50)	1.05(1.34)	(1.65)
CDRH50D18RHF-100MC	10±20%	141(113)	1.10(1.40)	0.95(1.21)	(1.55)
CDRH50D18RHF-150MC	15±20%	221(177)	0.95(1.21)	0.80(1.00)	(1.30)
CDRH50D18RHF-220MC	22±20%	298(238)	0.85(1.04)	0.65(0.87)	(1.10)
CDRH50D18RHF-330MC	33±20%	434(347)	0.65(0.87)	0.52(0.65)	(0.90)
CDRH50D18RHF-470MC	47±20%	738(590)	0.53(0.68)	0.44(0.56)	(0.70)
CDRH50D18RHF-680MC	68±20%	1,317(1,054)	0.46(0.57)	0.37(0.47)	(0.48)
CDRH50D18RHF-820MC	82±20%	1,475(1,180)	0.40(0.53)	0.33(0.43)	(0.43)
CDRH50D18RHF-101MC	100±20%	1,625(1,300)	0.34(0.48)	0.29(0.41)	(0.38)

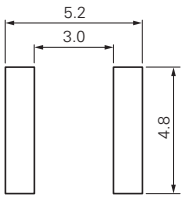
CDRH50D28R



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

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CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDRH50D28R D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 105°C	Irms (A)*B (Typ.)
CDRH50D28RNP-1R2NC	1.2±30%	16.3(13.0)	4.80(6.07)	4.10(4.97)	(5.40)
CDRH50D28RNP-1R6NC	1.6±30%	18.8(15.0)	4.20(5.47)	3.60(4.26)	(4.70)
CDRH50D28RNP-2R2NC	2.2±30%	21.3(17.0)	3.65(4.52)	3.05(3.72)	(4.30)
CDRH50D28RNP-3R0MC	3.0±20%	31.3(25.0)	3.10(3.97)	2.55(3.17)	(3.50)
CDRH50D28RNP-4R7MC	4.7±20%	50.0(40.0)	2.50(3.08)	2.15(2.63)	(2.70)
CDRH50D28RNP-6R8MC	6.8±20%	73.6(61.0)	2.10(2.61)	1.75(2.15)	(2.20)
CDRH50D28RNP-100MC	10±20%	109(87.0)	1.70(2.25)	1.40(1.78)	(1.75)
CDRH50D28RNP-150MC	15±20%	168(140)	1.40(1.73)	1.10(1.34)	(1.30)
CDRH50D28RNP-220MC	22±20%	210(175)	1.15(1.45)	0.98(1.20)	(1.16)
CDRH50D28RNP-330MC	33±20%	298(248)	0.94(1.16)	0.78(0.95)	(0.98)
CDRH50D28RNP-470MC	47±20%	444(370)	0.78(1.01)	0.65(0.83)	(0.78)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

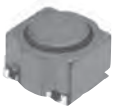
Weight (Ref.) / 重量(参考値)

CDRH50D18R 0.2g
CDRH50D28R 0.3g

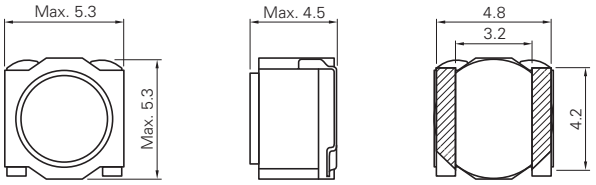
Packing Quantity / 梱包数量

CDRH50D18R 3,000pcs/reel
CDRH50D28R 2,000pcs/reel

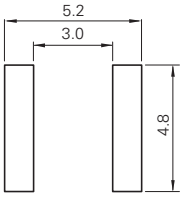
CDRH50D43R



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

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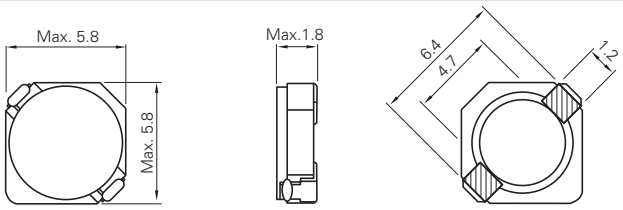
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

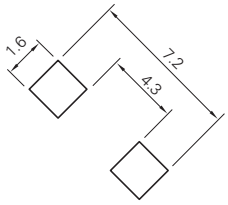
Part No.	L (μH)	CDRH50D43R			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.)		Irms (A)*C (Typ.)
			at 20°C	at 105°C	
CDRH50D43RNP-2R2NC	2.2±30%	27.5(22.0)	3.60(4.38)	3.00(3.63)	(3.80)
CDRH50D43RNP-3R3NC	3.3±30%	31.3(25.0)	2.90(3.60)	2.50(3.22)	(3.50)
CDRH50D43RNP-4R7MC	4.7±20%	37.5(30.0)	2.44(3.06)	2.08(2.52)	(3.20)
CDRH50D43RNP-6R8MC	6.8±20%	46.3(37.0)	2.12(2.61)	1.70(2.10)	(2.80)
CDRH50D43RNP-100MC	10±20%	58.8(47.0)	1.75(2.13)	1.48(1.82)	(2.40)
CDRH50D43RNP-150MC	15±20%	90.0(72.0)	1.44(1.78)	1.28(1.51)	(1.90)
CDRH50D43RNP-220MC	22±20%	134(112)	1.16(1.49)	0.97(1.21)	(1.44)
CDRH50D43RNP-330MC	33±20%	192(160)	0.96(1.20)	0.80(1.00)	(1.25)
CDRH50D43RNP-470MC	47±20%	324(270)	0.78(0.98)	0.67(0.83)	(0.91)
CDRH50D43RNP-680MC	68±20%	516(430)	0.65(0.80)	0.53(0.66)	(0.72)
CDRH50D43RNP-101MC	100±20%	654(545)	0.54(0.68)	0.45(0.56)	(0.65)
CDRH50D43RNP-151MC	150±20%	930(775)	0.44(0.55)	0.37(0.46)	(0.51)
CDRH50D43RNP-221MC	220±20%	1,170(975)	0.36(0.45)	0.30(0.37)	(0.49)

CDRH5D16

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

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CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDRH5D16			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*B Max.(Typ.)		Irms (A)*C (Typ.)
			at 20°C	at 105°C	
CDRH5D16NP-0R9NC	0.9±25%	14.6(11.7)	4.70(5.59)	3.90(4.35)	(4.70)
CDRH5D16NP-2R2NC	2.2±25%	35.9(28.7)	3.00(3.30)	2.45(2.69)	(2.90)
CDRH5D16NP-3R3NC	3.3±25%	44.5(35.6)	2.60(2.91)	2.15(2.35)	(2.40)
CDRH5D16NP-4R7NC	4.7±25%	64.1(51.3)	2.15(2.35)	1.75(1.92)	(2.10)
CDRH5D16NP-6R8NC	6.8±25%	84.3(67.4)	1.80(1.98)	1.45(1.61)	(1.70)
CDRH5D16NP-8R2NC	8.2±25%	110(89.7)	1.55(1.71)	1.25(1.38)	(1.50)
CDRH5D16NP-100MC	10±20%	140(110)	1.45(1.61)	1.15(1.29)	(1.30)
CDRH5D16NP-150MC	15±20%	200(160)	1.15(1.29)	0.95(1.07)	(1.10)
CDRH5D16NP-220MC	22±20%	320(250)	0.95(1.07)	0.80(0.88)	(0.80)
CDRH5D16NP-330MC	33±20%	440(350)	0.80(0.88)	0.65(0.72)	(0.70)
CDRH5D16NP-470MC	47±20%	580(460)	0.68(0.80)	0.52(0.62)	(0.60)
CDRH5D16NP-680MC	68±20%	860(690)	0.55(0.63)	0.44(0.50)	(0.50)
CDRH5D16NP-820MC	82±20%	1,060(850)	0.50(0.55)	0.40(0.45)	(0.42)
CDRH5D16NP-101MC	100±20%	1,410(1,130)	0.45(0.52)	0.35(0.42)	(0.35)

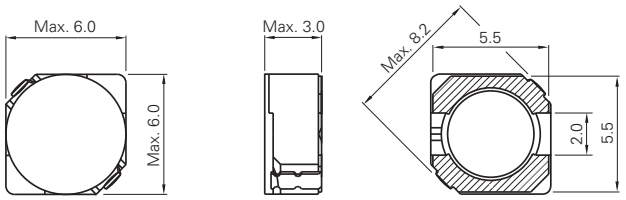
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から30%低下する直流電流値。
*B Isat（直流重畳電流）: インダクタンスが初期値から35%低下する直流電流値。
*C Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDRH50D43R 0.4g
CDRH5D16 0.2g

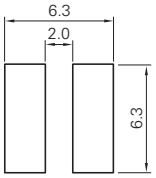
Packing Quantity / 梱包数量
CDRH50D43R 1,500pcs/reel
CDRH5D16 1,000pcs/reel

CDRH5D28

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

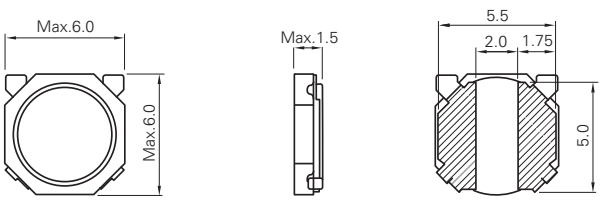
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

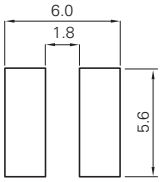
Part No.	L (μH)	CDRH5D28		
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*C (Typ.)
CDRH5D28NP-2R5NC	2.5±30%	18.0(13.0)	2.60(3.10)	(4.20)
CDRH5D28NP-3R0NC	3.0±30%	24.0(18.0)	2.40(2.85)	(3.80)
CDRH5D28NP-4R2NC	4.2±30%	31.0(23.0)	2.20(2.60)	(3.60)
CDRH5D28NP-5R3NC	5.3±30%	38.0(28.0)	1.95(2.30)	(3.30)
CDRH5D28NP-6R2NC	6.2±30%	45.0(33.0)	1.80(2.12)	(3.10)
CDRH5D28NP-8R2NC	8.2±30%	53.0(39.0)	1.60(1.88)	(2.70)
CDRH5D28NP-100NC	10±30%	65.0(48.0)	1.30(1.55)	(2.45)
CDRH5D28NP-120NC	12±30%	76.0(56.0)	1.20(1.42)	(2.35)
CDRH5D28NP-150NC	15±30%	103(76.0)	1.10(1.25)	(2.05)
CDRH5D28NP-180NC	18±30%	110(82.0)	1.00(1.20)	(1.90)
CDRH5D28NP-220NC	22±30%	122(90.0)	0.90(1.15)	(1.80)
CDRH5D28NP-270NC	27±30%	175(130)	0.85(0.97)	(1.60)
CDRH5D28NP-330NC	33±30%	189(140)	0.75(0.87)	(1.45)
CDRH5D28NP-390NC	39±30%	212(157)	0.70(0.84)	(1.35)
CDRH5D28NP-470NC	47±30%	250(185)	0.62(0.72)	(1.30)
CDRH5D28NP-560NC	56±30%	305(226)	0.58(0.63)	(1.15)
CDRH5D28NP-680NC	68±30%	355(263)	0.52(0.60)	(1.10)
CDRH5D28NP-820NC	82±30%	463(343)	0.46(0.51)	(1.00)
CDRH5D28NP-101NC	100±30%	520(385)	0.42(0.50)	(0.90)

CDRH58D14R

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDRH58D14R		
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*B Max.(Typ.) at 20°C	Irms (A)*C (Typ.)
CDRH58D14RHF-1R0NC	1.0±30%	20.0(16.0)	3.15(3.58)	(4.62)
CDRH58D14RHF-1R4NC	1.4±30%	25.0(20.0)	2.55(3.00)	(4.15)
CDRH58D14RHF-2R0NC	2.0±30%	31.3(25.0)	2.13(2.50)	(3.75)
CDRH58D14RHF-2R7NC	2.7±30%	37.5(30.0)	1.87(2.20)	(3.35)
CDRH58D14RHF-3R3NC	3.3±30%	55.0(44.0)	1.70(1.95)	(2.84)
CDRH58D14RHF-4R7NC	4.7±30%	62.5(50.0)	1.40(1.65)	(2.50)
CDRH58D14RHF-6R8MC	6.8±20%	93.8(75.0)	1.16(1.38)	(2.06)
CDRH58D14RHF-100MC	10±20%	130(108)	0.96(1.14)	(1.72)
CDRH58D14RHF-150MC	15±20%	191(159)	0.78(0.96)	(1.47)
CDRH58D14RHF-220MC	22±20%	316(263)	0.65(0.76)	(1.09)
CDRH58D14RHF-330MC	33±20%	464(387)	0.54(0.62)	(0.88)
CDRH58D14RHF-470MC	47±20%	637(531)	0.45(0.52)	(0.75)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から35%低下する直流電流値。
*B Isat（直流重畳電流）：インダクタンスが初期値から30%低下する直流電流値。
*C Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

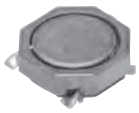
Weight (Ref.) / 重量(参考値)

CDRH5D28	0.4g
CDRH58D14R	0.2g

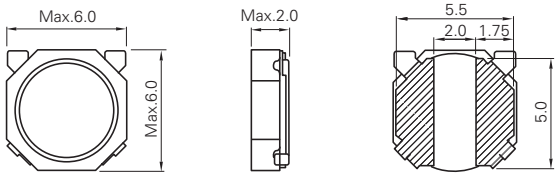
Packing Quantity / 梱包数量

CDRH5D28	2,000pcs/reel
CDRH58D14R	3,000pcs/reel

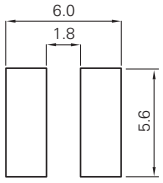
CDRH58D18R



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

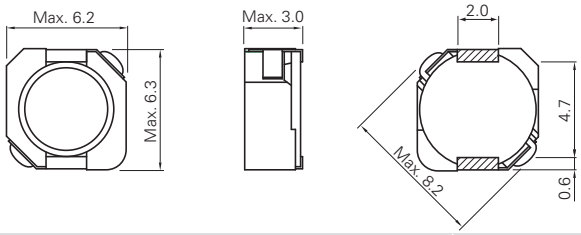
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

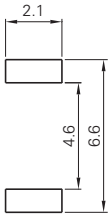
Part No.	L (μH)	CDRH58D18R			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 105°C	Irms (A)*C (Typ.)
CDRH58D18RNP-R90NC	0.9±30%	16.3(13.0)	3.74(4.43)	2.80(3.49)	(5.35)
CDRH58D18RNP-1R5NC	1.5±30%	20.6(16.5)	2.95(3.64)	2.20(2.89)	(4.60)
CDRH58D18RNP-2R0NC	2.0±30%	25.0(20.0)	2.66(3.22)	1.93(2.50)	(4.42)
CDRH58D18RNP-3R6NC	3.6±30%	36.3(29.0)	2.03(2.46)	1.47(1.88)	(3.65)
CDRH58D18RNP-4R7MC	4.7±20%	38.8(31.0)	1.74(2.24)	1.30(1.66)	(3.45)
CDRH58D18RNP-6R8MC	6.8±20%	62.5(50.0)	1.44(1.73)	1.07(1.37)	(2.73)
CDRH58D18RNP-100MC	10±20%	92.5(74.0)	1.17(1.41)	0.87(1.14)	(2.12)
CDRH58D18RNP-150MC	15±20%	132(110)	0.95(1.16)	0.70(0.90)	(1.75)
CDRH58D18RNP-220MC	22±20%	194(162)	0.79(0.98)	0.60(0.76)	(1.42)
CDRH58D18RNP-330MC	33±20%	269(224)	0.63(0.80)	0.47(0.63)	(1.17)
CDRH58D18RNP-470MC	47±20%	388(323)	0.55(0.67)	0.40(0.53)	(0.95)
CDRH58D18RNP-680MC	68±20%	595(496)	0.45(0.56)	0.33(0.44)	(0.76)
CDRH58D18RNP-101MC	100±20%	875(729)	0.37(0.45)	0.27(0.36)	(0.66)
CDRH58D18RNP-151MC	150±20%	1,278(1,065)	0.30(0.37)	0.23(0.29)	(0.51)
CDRH58D18RNP-221MC	220±20%	2,010(1,675)	0.25(0.32)	0.20(0.25)	(0.40)
CDRH58D18RNP-331MC	330±20%	3,192(2,660)	0.21(0.26)	0.16(0.21)	(0.32)

CDRH5D28R/HP

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDRH5D28R/HP			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*B Max.(Typ.) at 20°C	Isat (A)*B Max.(Typ.) at 105°C	Irms (A)*C (Typ.)
CDRH5D28RHPNP-2R2NC	2.2±25%	24.8(19.8)	5.50(6.38)	4.50(5.15)	(3.80)
CDRH5D28RHPNP-3R0NC	3.0±25%	31.8(25.4)	4.70(5.47)	3.90(4.40)	(3.35)
CDRH5D28RHPNP-4R7MC	4.7±25%	43.1(34.5)	3.70(4.30)	3.05(3.52)	(2.80)
CDRH5D28RHPNP-5R6NC	5.6±25%	47.9(38.3)	3.30(3.88)	2.65(3.10)	(2.70)
CDRH5D28RHPNP-6R8NC	6.8±25%	61.3(49.0)	3.10(3.55)	2.55(2.89)	(2.50)
CDRH5D28RHPNP-8R2NC	8.2±25%	88.4(70.7)	2.70(3.13)	2.30(2.68)	(1.90)
CDRH5D28RHPNP-100MC	10±20%	93.0(74.4)	2.45(2.86)	2.05(2.36)	(1.85)
CDRH5D28RHPNP-120MC	12±20%	115(92.1)	2.30(2.68)	2.00(2.25)	(1.60)
CDRH5D28RHPNP-150MC	15±20%	144(115)	2.05(2.36)	1.65(1.90)	(1.40)
CDRH5D28RHPNP-180MC	18±20%	161(128)	1.90(2.22)	1.55(1.80)	(1.35)
CDRH5D28RHPNP-220MC	22±20%	213(171)	1.75(1.92)	1.42(1.62)	(1.20)
CDRH5D28RHPNP-270MC	27±20%	277(221)	1.60(1.82)	1.30(1.47)	(1.00)
CDRH5D28RHPNP-330MC	33±20%	314(251)	1.35(1.58)	1.10(1.32)	(0.90)
CDRH5D28RHPNP-470MC	47±20%	379(303)	1.20(1.40)	1.00(1.14)	(0.85)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から30%低下する直流電流値。
*B Isat（直流重畳電流）: インダクタンスが初期値から35%低下する直流電流値。
*C Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

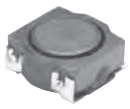
Weight (Ref.) / 重量(参考値)

CDRH58D18R 0.2g
CDRH5D28R/HP 0.4g

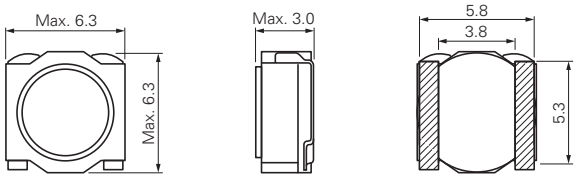
Packing Quantity / 梱包数量

CDRH58D18R 3,000pcs/reel
CDRH5D28R/HP 2,000pcs/reel

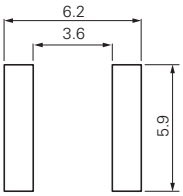
CDRH60D28R



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

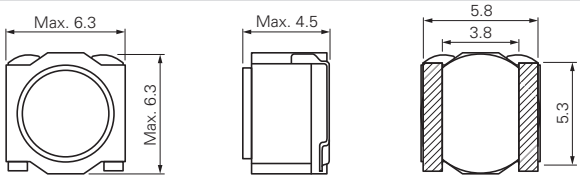
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

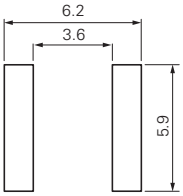
Part No.	L (μH)	CDRH60D28R		
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
CDRH60D28RNP-1R0NC	1.0±30%	13.8(11.0)	4.40(6.00)	(5.90)
CDRH60D28RNP-1R5NC	1.5±30%	16.3(13.0)	3.80(5.10)	(5.20)
CDRH60D28RNP-2R2NC	2.2±30%	20.0(16.0)	3.50(4.50)	(4.85)
CDRH60D28RNP-3R0NC	3.0±30%	22.5(18.0)	3.00(3.80)	(4.45)
CDRH60D28RNP-3R9MC	3.9±20%	27.5(22.0)	2.70(3.40)	(4.00)
CDRH60D28RNP-4R7MC	4.7±20%	30.0(24.0)	2.40(3.00)	(3.75)
CDRH60D28RNP-6R8MC	6.8±20%	46.3(37.0)	2.00(2.50)	(2.90)
CDRH60D28RNP-100MC	10±20%	72.5(58.0)	1.60(2.00)	(2.25)
CDRH60D28RNP-150MC	15±20%	111(89.0)	1.35(1.66)	(1.75)
CDRH60D28RNP-220MC	22±20%	132(110)	1.10(1.38)	(1.55)
CDRH60D28RNP-330MC	33±20%	198(165)	0.93(1.18)	(1.27)
CDRH60D28RNP-470MC	47±20%	300(250)	0.76(0.95)	(1.02)
CDRH60D28RNP-680MC	68±20%	456(380)	0.65(0.82)	(0.80)
CDRH60D28RNP-101MC	100±20%	654(545)	0.54(0.66)	(0.65)
CDRH60D28RNP-151MC	150±20%	942(785)	0.44(0.54)	(0.54)

CDRH60D43R

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDRH60D43R			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.)		Irms (A)*B (Typ.)
			at 20°C	at 105°C	
CDRH60D43RNP-1R5NC	1.5±30%	18.8(15.0)	5.80(7.20)	4.80(5.50)	(5.20)
CDRH60D43RNP-2R2NC	2.2±30%	21.3(17.0)	4.80(5.50)	4.00(4.85)	(4.40)
CDRH60D43RNP-3R3NC	3.3±30%	27.5(22.0)	4.40(5.25)	3.60(4.10)	(4.10)
CDRH60D43RNP-4R7MC	4.7±20%	32.5(26.0)	3.50(4.05)	2.80(3.40)	(3.80)
CDRH60D43RNP-6R8MC	6.8±20%	38.8(31.0)	3.10(3.80)	2.50(2.95)	(3.45)
CDRH60D43RNP-100MC	10±20%	47.5(38.0)	2.60(3.08)	2.00(2.40)	(2.90)
CDRH60D43RNP-150MC	15±20%	97.5(78.0)	2.10(2.50)	1.60(2.00)	(1.98)
CDRH60D43RNP-220MC	22±20%	142(118)	1.80(2.15)	1.30(1.65)	(1.55)
CDRH60D43RNP-330MC	33±20%	214(178)	1.45(1.72)	1.12(1.32)	(1.33)
CDRH60D43RNP-470MC	47±20%	324(270)	1.20(1.46)	0.90(1.10)	(1.04)
CDRH60D43RNP-680MC	68±20%	390(325)	1.00(1.21)	0.75(0.94)	(0.90)
CDRH60D43RNP-101MC	100±20%	498(415)	0.85(0.98)	0.66(0.78)	(0.82)
CDRH60D43RNP-151MC	150±20%	804(670)	0.68(0.81)	0.52(0.62)	(0.65)
CDRH60D43RNP-221MC	220±20%	1,236(1,030)	0.56(0.65)	0.44(0.51)	(0.49)
CDRH60D43RNP-331MC	330±20%	1,590(1,325)	0.47(0.55)	0.38(0.42)	(0.45)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

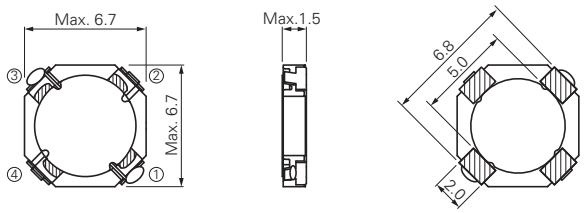
CDRH60D28R 0.4g
CDRH60D43R 0.6g

Packing Quantity / 梱包数量

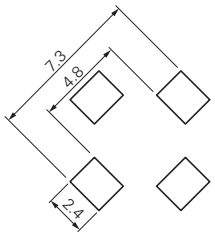
CDRH60D28R 2,000pcs/reel
CDRH60D43R 1,500pcs/reel

CDRH6D12

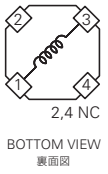
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



WIRE
線種

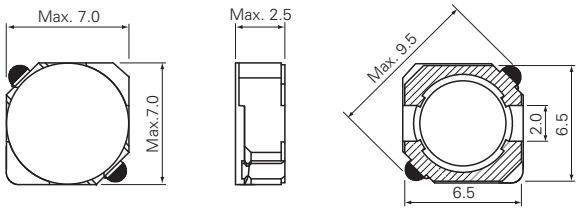
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

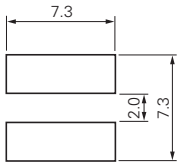
Part No.	L (μH)	CDRH6D12 D.C.R.(mΩ) Max. (Typ.)	CDRH6D12 Isat (A)*A Max.(Typ.) at 20°C	CDRH6D12 Irms (A)*B (Typ.)
CDRH6D12NP-1R0NC	1.0±30%	37.5(30.0)	3.50(4.05)	(2.80)
CDRH6D12NP-1R5NC	1.5±30%	41.3(33.0)	2.80(3.30)	(2.50)
CDRH6D12NP-2R2NC	2.2±30%	50.0(40.0)	2.50(2.85)	(2.30)
CDRH6D12NP-2R6NC	2.6±30%	56.3(45.0)	2.30(2.60)	(2.10)
CDRH6D12NP-3R3NC	3.3±30%	62.5(50.0)	2.20(2.52)	(1.90)
CDRH6D12NP-4R7NC	4.2±30%	75.0(60.0)	1.90(2.00)	(1.80)
CDRH6D12NP-6R4NC	6.4±30%	119(95.0)	1.50(1.66)	(1.40)
CDRH6D12NP-100NC	10±30%	165(132)	1.20(1.30)	(1.10)
CDRH6D12NP-150NC	15±30%	244(195)	0.95(1.10)	(0.90)
CDRH6D12NP-220NC	22±30%	325(260)	0.80(0.90)	(0.75)
CDRH6D12NP-330NC	33±30%	500(400)	0.65(0.76)	(0.60)
CDRH6D12NP-470NC	47±30%	675(540)	0.55(0.62)	(0.50)
CDRH6D12NP-680NC	68±30%	919(735)	0.45(0.52)	(0.40)

CDRH6D23/HP

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDRH6D23/HP D.C.R.(mΩ) Max. (Typ.)	CDRH6D23/HP Isat (A)*A Max.(Typ.) at 20°C	CDRH6D23/HP Isat (A)*A Max.(Typ.) at 105°C	CDRH6D23/HP Irms (A)*B (Typ.)
CDRH6D23HPNP-1R2NC	1.2±30%	15.4(12.3)	6.20(7.75)	5.20(6.50)	(5.30)
CDRH6D23HPNP-1R8NC	1.8±30%	20.0(16.0)	5.00(5.80)	4.30(5.38)	(4.70)
CDRH6D23HPNP-2R2NC	2.2±30%	23.8(19.2)	4.40(5.50)	3.80(4.55)	(4.10)
CDRH6D23HPNP-3R3NC	3.3±30%	32.5(26.2)	4.05(4.80)	3.35(3.95)	(3.30)
CDRH6D23HPNP-4R7NC	4.7±30%	42.5(34.4)	3.40(4.00)	2.85(3.25)	(2.80)
CDRH6D23HPNP-5R6NC	5.6±30%	58.8(47.5)	3.20(3.65)	2.65(2.95)	(2.30)
CDRH6D23HPNP-6R8NC	6.8±30%	68.8(55.0)	2.78(3.20)	2.34(2.62)	(2.20)
CDRH6D23HPNP-8R2NC	8.2±30%	73.0(58.5)	2.65(3.05)	2.24(2.50)	(2.10)
CDRH6D23HPNP-100MC	10±20%	103(82.0)	2.55(2.78)	2.14(2.30)	(1.70)
CDRH6D23HPNP-150MC	15±20%	155(124)	2.10(2.25)	1.80(1.90)	(1.40)
CDRH6D23HPNP-220MC	22±20%	218(174)	1.58(1.82)	1.35(1.50)	(1.10)
CDRH6D23HPNP-330MC	33±20%	270(216)	1.37(1.58)	1.16(1.32)	(1.00)
CDRH6D23HPNP-470MC	47±20%	395(316)	1.12(1.28)	0.93(1.08)	(0.80)
CDRH6D23HPNP-560MC	56±20%	500(400)	0.97(1.12)	0.83(0.93)	(0.75)
CDRH6D23HPNP-680MC	68±20%	575(460)	0.93(1.08)	0.78(0.87)	(0.70)
CDRH6D23HPNP-820MC	82±20%	713(572)	0.82(0.95)	0.70(0.80)	(0.60)
CDRH6D23HPNP-101MC	100±20%	876(701)	0.72(0.85)	0.61(0.70)	(0.52)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause nominal inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが公称値の35%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

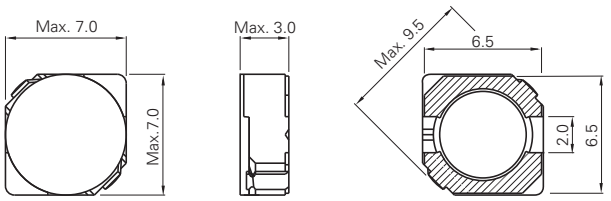
CDRH6D12 0.2g
CDRH6D23/HP 0.5g

Packing Quantity / 梱包数量

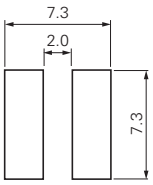
CDRH6D12 1,000pcs/reel
CDRH6D23/HP 2,000pcs/reel

CDRH6D28

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

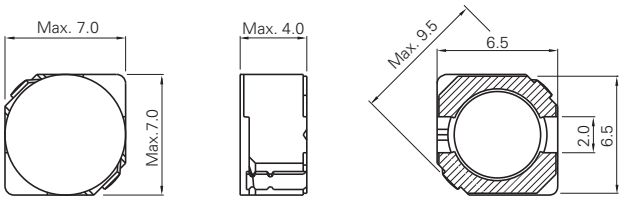
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

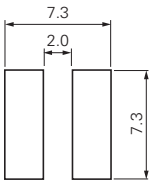
Part No.	L (μH)	CDRH6D28 D.C.R.(mΩ) Max. (Typ.)	CDRH6D28 Isat (A)*A Max.(Typ.) at 20°C	CDRH6D28 Irms (A)*B (Typ.)
CDRH6D28NP-3R0NC	3.0±30%	24.0(18.0)	3.00(3.60)	(4.80)
CDRH6D28NP-3R9NC	3.9±30%	27.0(20.0)	2.60(3.10)	(4.40)
CDRH6D28NP-5R0NC	5.0±30%	31.0(23.0)	2.40(2.90)	(4.10)
CDRH6D28NP-6R0NC	6.0±30%	35.0(26.0)	2.25(2.62)	(4.00)
CDRH6D28NP-7R3NC	7.3±30%	54.0(40.0)	2.10(2.30)	(3.20)
CDRH6D28NP-8R6NC	8.6±30%	58.0(43.0)	1.85(2.18)	(2.95)
CDRH6D28NP-100NC	10±30%	65.0(48.0)	1.70(2.10)	(2.60)
CDRH6D28NP-120NC	12±30%	70.0(52.0)	1.55(1.80)	(2.50)
CDRH6D28NP-150NC	15±30%	84.0(62.0)	1.40(1.60)	(2.35)
CDRH6D28NP-180NC	18±30%	95.0(70.0)	1.32(1.56)	(1.92)
CDRH6D28NP-220NC	22±30%	128(95.0)	1.20(1.30)	(1.85)
CDRH6D28NP-270NC	27±30%	142(105)	1.05(1.23)	(1.80)
CDRH6D28NP-330NC	33±30%	165(122)	0.97(1.15)	(1.65)
CDRH6D28NP-390NC	39±30%	210(156)	0.86(1.02)	(1.59)
CDRH6D28NP-470NC	47±30%	238(176)	0.80(0.89)	(1.45)
CDRH6D28NP-560NC	56±30%	277(205)	0.73(0.87)	(1.32)
CDRH6D28NP-680NC	68±30%	304(225)	0.65(0.79)	(1.28)
CDRH6D28NP-820NC	82±30%	390(290)	0.60(0.70)	(1.15)
CDRH6D28NP-101NC	100±30%	535(397)	0.54(0.63)	(0.90)

CDRH6D38

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

Part No.	L (μH)	CDRH6D38 D.C.R.(mΩ) Max. (Typ.)	CDRH6D38 Isat (A)*A Max.(Typ.) at 20°C	CDRH6D38 Irms (A)*B (Typ.)
CDRH6D38NP-3R3NC	3.3±30%	20.0(15.0)	3.50(4.10)	(5.10)
CDRH6D38NP-5R0NC	5.0±30%	24.0(18.0)	2.90(3.50)	(4.60)
CDRH6D38NP-6R2NC	6.2±30%	27.0(20.0)	2.50(3.00)	(4.30)
CDRH6D38NP-7R4NC	7.4±30%	31.0(23.0)	2.30(2.80)	(4.00)
CDRH6D38NP-8R7NC	8.7±30%	34.0(25.0)	2.20(2.60)	(3.80)
CDRH6D38NP-100NC	10±30%	38.0(28.0)	2.00(2.44)	(3.60)
CDRH6D38NP-120NC	12±30%	53.0(39.0)	1.70(2.20)	(2.95)
CDRH6D38NP-150NC	15±30%	57.0(42.0)	1.60(2.00)	(2.85)
CDRH6D38NP-180NC	18±30%	92.0(68.0)	1.50(1.78)	(2.50)
CDRH6D38NP-220NC	22±30%	96.0(71.0)	1.30(1.68)	(2.30)
CDRH6D38NP-270NC	27±30%	109(81.0)	1.20(1.52)	(2.00)
CDRH6D38NP-330NC	33±30%	124(92.0)	1.10(1.30)	(1.95)
CDRH6D38NP-390NC	39±30%	138(102)	1.00(1.28)	(1.88)
CDRH6D38NP-470NC	47±30%	155(115)	0.95(1.12)	(1.75)
CDRH6D38NP-560NC	56±30%	202(150)	0.85(1.00)	(1.45)
CDRH6D38NP-680NC	68±30%	234(173)	0.75(0.95)	(1.35)
CDRH6D38NP-820NC	82±30%	324(240)	0.70(0.83)	(1.15)
CDRH6D38NP-101NC	100±30%	358(265)	0.65(0.74)	(1.10)

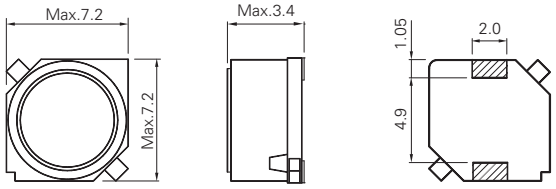
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から35%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDRH6D28 0.5g
CDRH6D38 0.7g

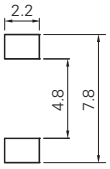
Packing Quantity / 梱包数量
CDRH6D28 1,500pcs/reel
CDRH6D38 1,000pcs/reel

CDRR73

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

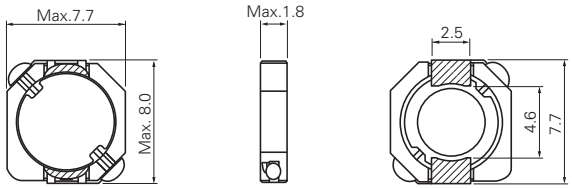
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

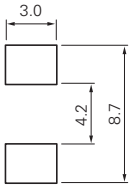
Part No.	L (μH)	CDRR73		
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.	Irms (A)*C (Typ.)
CDRR73NP-3R3MC	3.3±20%	27.6(23.0)	2.30	(3.45)
CDRR73NP-6R8MC	6.8±20%	49.2(41.0)	1.60	(2.00)
CDRR73NP-100MC	10±20%	63.6(53.0)	1.40	(1.90)
CDRR73NP-150MC	15±20%	90.0(75.0)	1.10	(1.58)
CDRR73NP-220MC	22±20%	132(110)	0.96	(1.25)
CDRR73NP-330MC	33±20%	192(160)	0.75	(0.95)
CDRR73NP-470MC	47±20%	288(240)	0.67	(0.85)
CDRR73NP-680MC	68±20%	372(310)	0.54	(0.70)
CDRR73NP-101MC	100±20%	540(450)	0.45	(0.60)
CDRR73NP-151MC	150±20%	780(650)	0.37	(0.47)
CDRR73NP-221MC	220±20%	1,260(1,050)	0.29	(0.37)
CDRR73NP-331MC	330±20%	2,004(1,670)	0.22	(0.28)
CDRR73NP-471MC	470±20%	2,460(2,050)	0.20	(0.26)
CDRR73NP-681MC	680±20%	3,780(3,150)	0.16	(0.22)
CDRR73NP-102MC	1000±20%	5,736(4,780)	0.13	(0.16)

CDRH7D16

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

Part No.	L (μH)	CDRH7D16			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*B Max.(Typ.)		Irms (A)*C (Typ.)
			at 20°C	at 100°C	
CDRH7D16NP-1R2PC	1.2±25%	21.0(16.8)	4.60(5.40)	4.00(4.35)	(4.94)
CDRH7D16NP-1R8PC	1.8±25%	25.5(20.4)	3.60(4.30)	3.00(3.40)	(4.21)
CDRH7D16NP-2R4PC	2.4±25%	31.1(24.8)	3.10(3.65)	2.50(2.80)	(3.77)
CDRH7D16NP-3R3PC	3.3±25%	38.7(30.9)	2.70(3.20)	2.30(2.52)	(3.23)
CDRH7D16NP-4R7PC	4.7±25%	56.8(45.4)	2.40(2.65)	1.90(2.05)	(2.65)
CDRH7D16NP-6R8PC	6.8±25%	76.4(61.0)	2.00(2.20)	1.60(1.72)	(2.24)
CDRH7D16NP-100MC	10±20%	98.3(78.6)	1.60(1.85)	1.30(1.46)	(1.97)
CDRH7D16NP-150MC	15±20%	144(115)	1.30(1.54)	1.10(1.22)	(1.59)
CDRH7D16NP-220MC	22±20%	202(161)	1.10(1.29)	0.90(1.00)	(1.23)
CDRH7D16NP-330MC	33±20%	308(246)	0.92(1.05)	0.75(0.82)	(1.04)
CDRH7D16NP-470MC	47±20%	461(369)	0.76(0.85)	0.60(0.68)	(0.81)
CDRH7D16NP-680MC	68±20%	646(517)	0.64(0.72)	0.50(0.59)	(0.71)
CDRH7D16NP-101MC	100±20%	870(696)	0.53(0.60)	0.40(0.45)	(0.59)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から10%低下する直流電流値。
*B Isat（直流重畳電流）: インダクタンスが初期値から35%低下する直流電流値。
*C Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

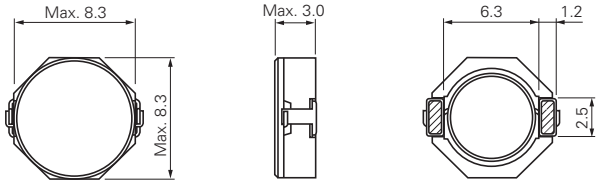
CDRR73	0.4g
CDRH7D16	0.4g

Packing Quantity / 梱包数量

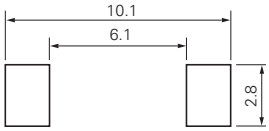
CDRR73	1,500pcs/reel
CDRH7D16	2,000pcs/reel

CDRH8D28

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

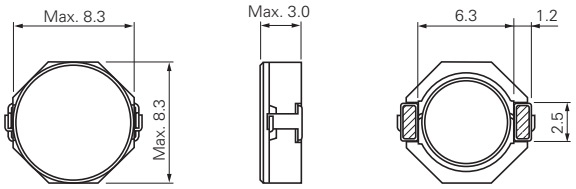
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

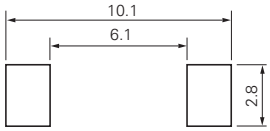
Part No.	L (μH)	CDRH8D28 D.C.R.(mΩ) Max. (Typ.)	CDRH8D28 Isat (A)*A Max.(Typ.) at 20°C	CDRH8D28 Irms (A)*B (Typ.)
CDRH8D28NP-1R0NC	1.0±30%	11.0(8.00)	6.50(8.00)	(7.00)
CDRH8D28NP-2R5NC	2.5±30%	15.6(12.0)	4.50(5.40)	(6.40)
CDRH8D28NP-3R3NC	3.3±30%	18.2(14.0)	4.00(4.80)	(6.00)
CDRH8D28NP-4R7NC	4.7±30%	24.7(19.0)	3.40(4.05)	(4.50)
CDRH8D28NP-7R3NC	7.3±30%	39.0(30.0)	2.80(3.30)	(3.40)
CDRH8D28NP-100NC	10±30%	47.0(36.0)	2.50(3.00)	(3.20)
CDRH8D28NP-150NC	15±30%	69.0(53.0)	1.90(2.25)	(2.35)
CDRH8D28NP-220NC	22±30%	99.0(76.0)	1.60(1.85)	(1.85)
CDRH8D28NP-330NC	33±30%	156(120)	1.30(1.52)	(1.45)
CDRH8D28NP-470NC	47±30%	195(150)	1.15(1.30)	(1.30)
CDRH8D28NP-680NC	68±30%	286(220)	0.92(1.08)	(0.98)
CDRH8D28NP-101NC	100±30%	430(330)	0.75(0.88)	(0.80)

CDRH8D28HP

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

Part No.	L (μH)	CDRH8D28HP D.C.R.(mΩ) Max. (Typ.)	CDRH8D28HP Isat (A)*A Max.(Typ.) at 20°C	CDRH8D28HP Isat (A)*A Max.(Typ.) at 100°C	CDRH8D28HP Irms (A)*B (Typ.)
CDRH8D28HPNP-3R3NC	3.3±30%	35.0(27.0)	5.80(7.00)	4.60(5.90)	(3.80)
CDRH8D28HPNP-4R7NC	4.7±30%	40.0(31.0)	4.50(5.40)	3.60(4.40)	(3.60)
CDRH8D28HPNP-7R3NC	7.3±30%	66.0(51.0)	3.70(4.25)	3.10(3.35)	(2.40)
CDRH8D28HPNP-100NC	10±30%	78.0(60.0)	3.00(3.90)	2.50(3.10)	(2.10)
CDRH8D28HPNP-150NC	15±30%	125(96.0)	2.70(3.05)	2.30(2.45)	(1.70)
CDRH8D28HPNP-220NC	22±30%	182(140)	2.30(2.50)	1.90(2.05)	(1.35)
CDRH8D28HPNP-330NC	33±30%	286(220)	1.90(2.05)	1.60(1.75)	(1.10)
CDRH8D28HPNP-470NC	47±30%	345(265)	1.70(1.85)	1.36(1.48)	(1.00)
CDRH8D28HPNP-680NC	68±30%	520(400)	1.35(1.50)	1.10(1.25)	(0.80)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から35%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

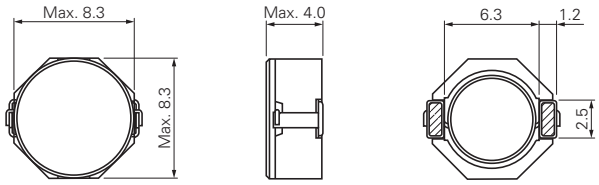
CDRH8D28 0.7g
CDRH8D28HP 0.7g

Packing Quantity / 梱包数量

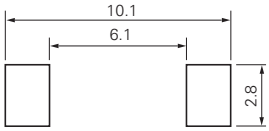
CDRH8D28 1,000pcs/reel
CDRH8D28HP 1,000pcs/reel

CDRH8D38

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

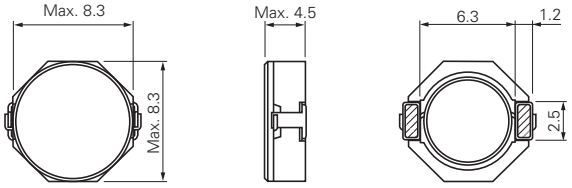
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

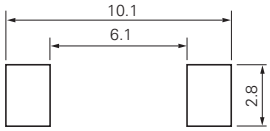
Part No.	L (μH)	CDRH8D38			
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 105°C	Irms (A)*B (Typ.)
CDRH8D38NP-1R8NC	1.8±30%	15.6(12.5)	7.00(9.00)	6.20(7.20)	(6.80)
CDRH8D38NP-2R5NC	2.5±30%	17.5(14.0)	6.50(7.80)	5.50(6.40)	(6.00)
CDRH8D38NP-3R5NC	3.5±30%	24.0(19.0)	5.00(6.50)	4.40(5.30)	(5.20)
CDRH8D38NP-4R7NC	4.7±30%	29.0(23.0)	4.60(5.50)	4.00(4.70)	(4.40)
CDRH8D38NP-6R0NC	6.0±30%	32.0(25.0)	4.20(5.00)	3.50(4.20)	(4.00)
CDRH8D38NP-100NC	10±30%	48.0(38.0)	3.00(3.80)	2.60(3.10)	(3.20)
CDRH8D38NP-150NC	15±30%	67.0(53.0)	2.75(3.20)	2.30(2.60)	(2.50)
CDRH8D38NP-220NC	22±30%	105(84.0)	2.30(2.70)	1.88(2.15)	(2.00)
CDRH8D38NP-330NC	33±30%	157(125)	1.75(2.05)	1.52(1.65)	(1.60)
CDRH8D38NP-470NC	47±30%	189(151)	1.52(1.80)	1.28(1.47)	(1.42)
CDRH8D38NP-680NC	68±30%	290(232)	1.30(1.50)	1.10(1.23)	(1.08)
CDRH8D38NP-101NC	100±30%	410(328)	1.05(1.22)	0.88(0.98)	(0.88)

CDRH8D43

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

Part No.	L (μH)	CDRH8D43		
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
CDRH8D43NP-R68NC	0.68±35%	9.50(7.00)	9.00(10.8)	(7.60)
CDRH8D43NP-1R2NC	1.2±35%	12.2(9.00)	8.00(10.5)	(7.00)
CDRH8D43NP-2R0NC	2.0±30%	14.0(11.0)	7.00(9.00)	(6.30)
CDRH8D43NP-3R9NC	3.9±30%	19.0(15.0)	5.90(7.50)	(4.90)
CDRH8D43NP-4R7NC	4.7±30%	22.0(17.0)	5.60(7.20)	(4.60)
CDRH8D43NP-6R8NC	6.8±30%	25.0(20.0)	4.40(5.80)	(4.30)
CDRH8D43NP-100NC	10±30%	36.0(29.0)	4.00(5.50)	(3.50)
CDRH8D43NP-150NC	15±30%	53.0(42.0)	2.90(3.60)	(2.55)
CDRH8D43NP-220NC	22±30%	75.0(60.0)	2.60(3.25)	(2.10)
CDRH8D43NP-330NC	33±30%	125(100)	2.20(2.60)	(1.55)
CDRH8D43NP-470NC	47±30%	150(120)	1.80(2.25)	(1.42)
CDRH8D43NP-680NC	68±30%	240(190)	1.50(1.76)	(1.15)
CDRH8D43NP-101NC	100±30%	360(290)	1.30(1.55)	(0.88)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から35%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

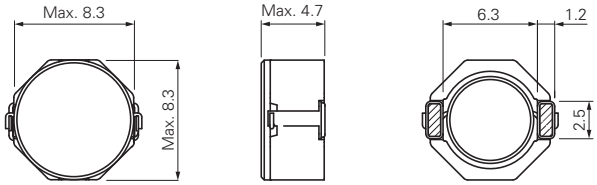
CDRH8D38 0.85g
CDRH8D43 1.0g

Packing Quantity / 梱包数量

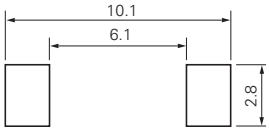
CDRH8D38 1,000pcs/reel
CDRH8D43 500pcs/reel

CDRH8D43HP

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

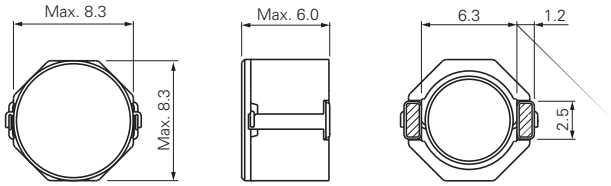
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

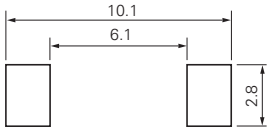
Part No.	L (μH)	CDRH8D43HP			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.)		Irms (A)*B (Typ.)
			at 20°C	at 100°C	
CDRH8D43HPNP-1R2NC	1.2±30%	16.5(12.3)	12.6(16.8)	10.8(13.1)	(5.60)
CDRH8D43HPNP-2R7NC	2.7±30%	19.5(15.9)	8.60(11.5)	7.00(9.10)	(5.10)
CDRH8D43HPNP-4R7NC	4.7±30%	27.0(20.7)	6.20(8.80)	5.20(6.90)	(3.90)
CDRH8D43HPNP-6R8NC	6.8±30%	36.0(31.2)	5.60(7.35)	4.50(5.50)	(3.30)
CDRH8D43HPNP-100NC	10±30%	53.0(44.4)	4.30(5.80)	3.50(4.40)	(2.50)
CDRH8D43HPNP-150NC	15±30%	75.0(64.4)	3.70(4.90)	2.90(3.65)	(2.00)
CDRH8D43HPNP-220NC	22±30%	125(103)	3.00(4.00)	2.40(3.00)	(1.50)
CDRH8D43HPNP-330NC	33±30%	150(123)	2.50(3.35)	2.00(2.50)	(1.40)
CDRH8D43HPNP-470NC	47±30%	238(183)	2.00(2.65)	1.60(2.00)	(1.20)
CDRH8D43HPNP-680NC	68±30%	363(294)	1.60(2.20)	1.40(1.70)	(0.80)

CDRH8D58/LD

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDRH8D58/LD			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.)		Irms (A)*B (Typ.)
			at 20°C	at 100°C	
CDRH8D58/LDNP-2R8NC	2.8±30%	15.0(12.0)	4.70(5.60)	4.00(4.65)	(6.90)
CDRH8D58/LDNP-3R9NC	3.9±30%	16.3(13.0)	4.10(4.90)	3.50(3.92)	(6.30)
CDRH8D58/LDNP-5R0NC	5.0±30%	17.5(14.0)	3.80(4.46)	3.10(3.55)	(6.00)
CDRH8D58/LDNP-6R2NC	6.2±30%	20.0(16.0)	3.30(3.90)	2.70(3.08)	(5.50)
CDRH8D58/LDNP-100NC	10±30%	25.6(20.5)	2.60(3.05)	2.20(2.36)	(4.50)
CDRH8D58/LDNP-150NC	15±30%	36.3(29.0)	2.30(2.55)	1.90(2.12)	(3.60)
CDRH8D58/LDNP-220NC	22±30%	45.3(36.2)	1.70(2.10)	1.40(1.65)	(3.30)
CDRH8D58/LDNP-330NC	33±30%	65.3(52.2)	1.50(1.72)	1.30(1.40)	(2.70)
CDRH8D58/LDNP-470NC	47±30%	90.5(72.4)	1.20(1.42)	1.00(1.18)	(2.20)
CDRH8D58/LDNP-680NC	68±30%	130(104)	1.00(1.18)	0.90(0.95)	(1.70)
CDRH8D58/LDNP-101NC	100±30%	175(140)	0.80(0.95)	0.70(0.80)	(1.40)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から35%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

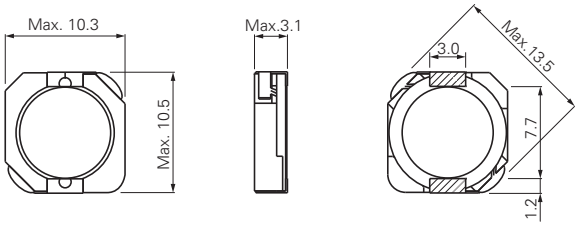
CDRH8D43HP 1.0g
CDRH8D58/LD 1.2g

Packing Quantity / 梱包数量

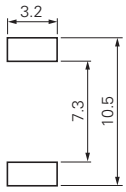
CDRH8D43HP 500pcs/reel
CDRH8D58/LD 500pcs/reel

CDRH103R

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

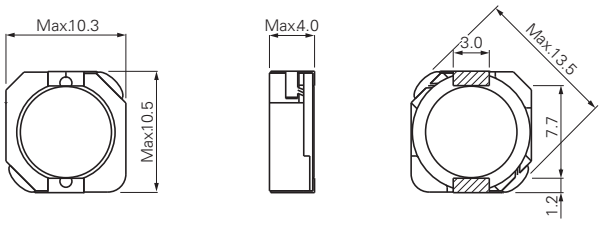
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

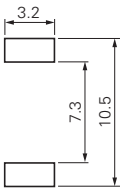
Part No.	L (μH)	CDRH103R D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
CDRH103RNP-0R8NC-B	0.8±30%	5.70(4.40)	11.2(13.5)	(8.30)
CDRH103RNP-1R5NC-B	1.5±30%	11.0(8.50)	8.00(9.60)	(5.80)
CDRH103RNP-2R2NC-B	2.2±30%	16.9(13.0)	6.70(8.00)	(5.10)
CDRH103RNP-3R3NC-B	3.3±30%	21.0(16.0)	5.56(6.80)	(4.70)
CDRH103RNP-4R7NC-B	4.7±30%	30.0(23.0)	4.65(5.50)	(4.00)
CDRH103RNP-6R8NC-B	6.8±30%	35.0(27.0)	3.84(4.60)	(3.60)
CDRH103RNP-8R2NC-B	8.2±30%	50.0(38.0)	3.54(4.30)	(3.00)
CDRH103RNP-100NC-B	10±30%	59.0(45.0)	3.18(3.80)	(2.80)
CDRH103RNP-150NC-B	15±30%	91.0(70.0)	2.60(3.20)	(2.05)
CDRH103RNP-220NC-B	22±30%	143(110)	2.16(2.60)	(1.60)
CDRH103RNP-330NC-B	33±30%	202(155)	1.74(2.10)	(1.35)
CDRH103RNP-470NC-B	47±30%	299(230)	1.43(1.70)	(1.20)
CDRH103RNP-560NC-B	56±30%	325(250)	1.36(1.55)	(1.15)
CDRH103RNP-680NC-B	68±30%	429(330)	1.22(1.40)	(0.98)
CDRH103RNP-820NC-B	82±30%	494(380)	1.14(1.30)	(0.80)
CDRH103RNP-101NC-B	100±30%	683(525)	1.02(1.15)	(0.70)
CDRH103RNP-121NC-B	120±30%	754(580)	0.89(1.05)	(0.65)
CDRH103RNP-151NC-B	150±30%	871(670)	0.84(1.00)	(0.51)

CDRH104R

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

Part No.	L (μH)	CDRH104R D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
CDRH104RNP-1R5NC	1.5±30%	8.10(6.00)	10.0(12.5)	(8.50)
CDRH104RNP-2R5NC	2.5±30%	10.5(7.80)	7.90(9.90)	(7.70)
CDRH104RNP-3R8NC	3.8±30%	13.0(9.60)	7.00(8.80)	(7.40)
CDRH104RNP-5R2NC	5.2±30%	22.0(16.0)	5.60(7.00)	(6.00)
CDRH104RNP-7R0NC	7.0±30%	27.0(20.0)	5.25(6.60)	(5.30)
CDRH104RNP-100NC	10±30%	35.0(26.0)	4.48(5.60)	(4.50)
CDRH104RNP-120NC	12±30%	46.0(34.0)	4.00(5.00)	(3.80)
CDRH104RNP-150NC	15±30%	50.0(37.0)	3.50(4.40)	(3.70)
CDRH104RNP-180NC	18±30%	69.0(51.0)	3.25(4.10)	(3.10)
CDRH104RNP-220NC	22±30%	73.0(54.0)	2.85(3.60)	(2.80)
CDRH104RNP-270NC	27±30%	88.0(65.0)	2.60(3.28)	(2.70)
CDRH104RNP-330NC	33±30%	93.0(69.0)	2.30(2.90)	(2.60)
CDRH104RNP-390NC	39±30%	127(94.0)	2.10(2.62)	(2.40)
CDRH104RNP-470NC	47±30%	128(95.0)	1.95(2.44)	(2.30)
CDRH104RNP-560NC	56±30%	188(139)	1.74(2.18)	(1.75)
CDRH104RNP-680NC	68±30%	213(158)	1.66(2.08)	(1.68)
CDRH104RNP-820NC	82±30%	283(218)	1.50(1.88)	(1.48)
CDRH104RNP-101NC	100±30%	304(225)	1.33(1.66)	(1.42)
CDRH104RNP-121NC	120±30%	375(278)	1.25(1.56)	(1.20)
CDRH104RNP-151NC	150±30%	506(375)	1.12(1.40)	(1.15)
CDRH104RNP-181NC	180±30%	568(421)	0.99(1.24)	(1.00)
CDRH104RNP-221NC	220±30%	756(560)	0.95(1.19)	(0.88)
CDRH104RNP-271NC	270±30%	853(632)	0.85(1.06)	(0.68)
CDRH104RNP-331NC	330±30%	1,090(810)	0.74(0.92)	(0.66)

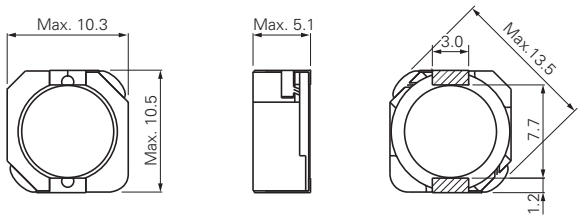
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から35%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDRH103R 1.1g
CDRH104R 1.5g

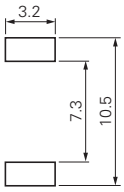
Packing Quantity / 梱包数量
CDRH103R 1,000pcs/reel
CDRH104R 1,000pcs/reel

CDRH105R

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

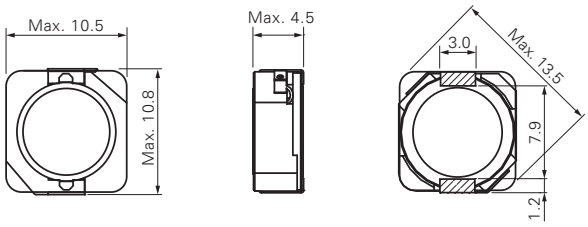
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

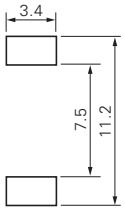
Part No.	L (μH)	CDRH105R D.C.R.(mΩ) Max. (Typ.)	CDRH105R Isat (A)*A Max.(Typ.) at 20°C	CDRH105R Irms (A)*B (Typ.)
CDRH105RNP-0R8NC	0.8±30%	4.30(3.30)	13.5(17.0)	(10.5)
CDRH105RNP-1R5NC	1.5±30%	5.80(4.50)	10.5(13.0)	(9.80)
CDRH105RNP-2R2NC	2.2±30%	7.20(5.60)	9.25(12.0)	(8.80)
CDRH105RNP-3R3NC	3.3±30%	10.4(8.00)	7.80(9.30)	(7.80)
CDRH105RNP-4R7NC	4.7±30%	12.3(9.50)	6.40(7.25)	(7.10)
CDRH105RNP-6R8NC	6.8±30%	18.0(14.0)	5.40(6.28)	(6.20)
CDRH105RNP-8R2NC	8.2±30%	20.0(16.0)	4.85(5.90)	(5.80)
CDRH105RNP-100NC	10±30%	26.0(20.0)	4.45(5.35)	(5.00)
CDRH105RNP-120NC	12±30%	33.0(25.0)	4.00(4.50)	(4.40)
CDRH105RNP-150NC	15±30%	41.0(32.0)	3.60(4.15)	(3.90)
CDRH105RNP-180NC	18±30%	46.0(35.0)	3.20(3.85)	(3.70)
CDRH105RNP-220NC	22±30%	61.0(47.0)	2.95(3.60)	(3.30)
CDRH105RNP-270NC	27±30%	69.0(53.0)	2.70(3.25)	(3.20)
CDRH105RNP-330NC	33±30%	84.0(65.0)	2.40(2.95)	(2.75)
CDRH105RNP-390NC	39±30%	106(82.0)	2.30(2.73)	(2.65)
CDRH105RNP-470NC	47±30%	130(100)	2.00(2.38)	(2.30)
CDRH105RNP-560NC	56±30%	149(115)	1.90(2.33)	(2.15)
CDRH105RNP-680NC	68±30%	201(155)	1.65(1.90)	(1.75)
CDRH105RNP-820NC	82±30%	227(175)	1.50(1.75)	(1.68)
CDRH105RNP-101NC	100±30%	253(195)	1.35(1.61)	(1.52)
CDRH105RNP-121NC	120±30%	303(233)	1.28(1.53)	(1.43)
CDRH105RNP-151NC	150±30%	370(285)	1.12(1.39)	(1.23)
CDRH105RNP-181NC	180±30%	419(322)	1.04(1.24)	(1.17)
CDRH105RNP-221NC	220±30%	500(385)	0.94(1.17)	(1.08)
CDRH105RNP-271NC	270±30%	672(512)	0.84(0.97)	(0.92)
CDRH105RNP-331NC	330±30%	812(625)	0.75(0.89)	(0.85)
CDRH105RNP-391NC	390±30%	953(733)	0.70(0.81)	(0.80)
CDRH105RNP-471NC	470±30%	1,289(992)	0.60(0.77)	(0.65)
CDRH105RNP-561NC	560±30%	1,430(1,100)	0.54(0.71)	(0.62)
CDRH105RNP-681NC	680±30%	1,599(1,230)	0.52(0.64)	(0.60)
CDRH105RNP-821NC	820±30%	1,768(1,360)	0.48(0.59)	(0.57)
CDRH105RNP-102NC	1000±30%	1,989(1,530)	0.42(0.56)	(0.52)

CDRH10D43R

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDRH10D43R D.C.R.(mΩ) Max. (Typ.)	CDRH10D43R Isat (A)*A Max.(Typ.) at 20°C	CDRH10D43R Isat (A)*A Max.(Typ.) at 105°C	CDRH10D43R Irms (A)*B (Typ.)
CDRH10D43RNP-1R2PC	1.2±25%	10.4(8.28)	12.0(15.0)	9.00(12.0)	(7.20)
CDRH10D43RNP-1R8PC	1.8±25%	12.2(9.76)	11.2(14.0)	8.50(11.0)	(6.60)
CDRH10D43RNP-2R7PC	2.7±25%	14.1(11.3)	9.50(11.9)	7.30(9.10)	(6.00)
CDRH10D43RNP-3R9PC	3.9±25%	16.6(13.2)	8.80(10.8)	6.90(8.60)	(5.80)
CDRH10D43RNP-4R7PC	4.7±25%	20.4(16.3)	8.00(9.40)	6.50(7.60)	(4.80)
CDRH10D43RNP-6R8PC	6.8±25%	25.1(20.0)	7.00(8.20)	5.60(6.60)	(4.60)
CDRH10D43RNP-8R2PC	8.2±25%	31.0(24.8)	6.00(7.10)	4.80(5.60)	(4.20)
CDRH10D43RNP-100MC	10±20%	32.7(26.1)	5.20(6.20)	4.30(5.20)	(4.10)
CDRH10D43RNP-120MC	12±20%	47.2(37.7)	4.90(5.80)	4.00(4.70)	(3.20)
CDRH10D43RNP-150MC	15±20%	56.1(44.9)	4.50(5.30)	3.70(4.40)	(3.10)
CDRH10D43RNP-220MC	22±20%	73.9(59.1)	4.00(4.70)	3.20(3.80)	(2.70)
CDRH10D43RNP-330MC	33±20%	120(95.7)	3.10(3.60)	2.60(3.10)	(2.00)
CDRH10D43RNP-470MC	47±20%	160(128)	2.60(3.10)	2.10(2.50)	(1.70)
CDRH10D43RNP-560MC	56±20%	176(141)	2.40(2.80)	2.00(2.40)	(1.60)
CDRH10D43RNP-680MC	68±20%	217(174)	2.20(2.60)	1.80(2.10)	(1.40)
CDRH10D43RNP-820MC	82±20%	274(219)	2.00(2.40)	1.60(1.90)	(1.20)
CDRH10D43RNP-101MC	100±20%	345(276)	1.80(2.10)	1.40(1.60)	(1.10)

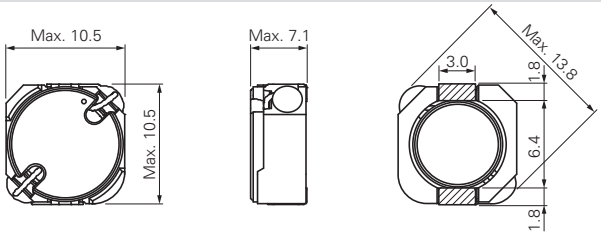
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から35%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDRH105R 2.5g
CDRH10D43R 1.7g

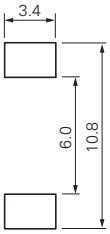
Packing Quantity / 梱包数量
CDRH105R 500pcs/reel
CDRH10D43R 500pcs/reel

CDRH10D68

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

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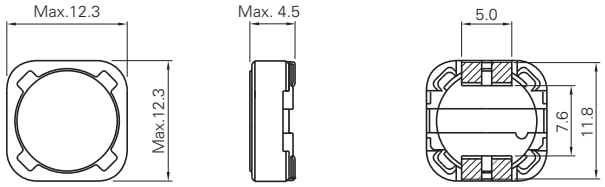
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

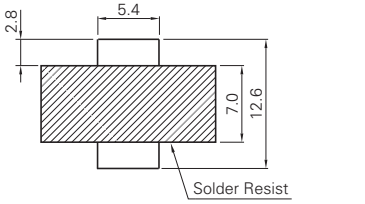
Part No.	L (μH)	CDRH10D68			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 105°C	Irms (A)*C (Typ.)
CDRH10D68NP-2R2NC	2.2±25%	7.20(5.70)	9.80(12.5)	8.00(10.0)	(9.00)
CDRH10D68NP-3R3NC	3.3±25%	8.50(6.80)	8.40(10.5)	6.80(8.50)	(8.00)
CDRH10D68NP-4R7NC	4.7±25%	9.80(7.90)	7.90(9.80)	6.50(8.10)	(7.00)
CDRH10D68NP-6R0NC	6.0±25%	14.0(11.2)	6.50(8.50)	5.20(6.70)	(5.50)
CDRH10D68NP-8R2NC	8.2±25%	15.8(12.7)	5.10(6.50)	4.00(5.50)	(5.30)
CDRH10D68NP-100MC	10±20%	21.5(17.2)	4.80(5.70)	3.80(4.50)	(4.40)
CDRH10D68NP-150MC	15±20%	34.5(27.6)	4.50(5.20)	3.60(4.20)	(3.60)
CDRH10D68NP-180MC	18±20%	37.0(29.7)	3.60(4.70)	2.90(3.70)	(3.40)
CDRH10D68NP-220MC	22±20%	40.2(32.1)	3.00(4.00)	2.60(3.20)	(3.20)
CDRH10D68NP-330MC	33±20%	60.4(48.3)	2.70(3.40)	2.20(2.70)	(2.60)
CDRH10D68NP-470MC	47±20%	106(85.0)	2.40(3.10)	2.00(2.50)	(2.10)
CDRH10D68NP-680MC	68±20%	150(120)	2.00(2.40)	1.60(1.95)	(1.70)
CDRH10D68NP-820MC	82±20%	163(131)	1.70(2.15)	1.40(1.75)	(1.60)
CDRH10D68NP-101MC	100±20%	205(164)	1.50(1.88)	1.20(1.50)	(1.50)
CDRH10D68NP-151MC	150±20%	291(234)	1.30(1.60)	1.10(1.25)	(1.30)
CDRH10D68NP-181MC	180±20%	326(261)	1.20(1.50)	0.90(1.15)	(1.20)
CDRH10D68NP-221MC	220±20%	362(290)	1.00(1.25)	0.80(1.10)	(1.10)
CDRH10D68NP-331MC	330±20%	525(420)	0.80(1.00)	0.60(0.82)	(0.90)
CDRH10D68NP-471MC	470±20%	740(592)	0.70(0.88)	0.50(0.70)	(0.80)

CDRH124

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



* In order to prevent short-circuiting, a solder resist is recommended.
* ショート防止の為、ソルダレジスト推奨

WIRE
線種

●

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

Part No.	L (μH)	CDRH124		
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*B Max.(Typ.) at 20°C	Irms (A)*C (Typ.)
CDRH124NP-3R9MC	3.9±20%	15.0(12.0)	8.60(10.8)	(7.30)
CDRH124NP-4R7MC	4.7±20%	18.0(14.0)	7.75(9.70)	(6.60)
CDRH124NP-6R8MC	6.8±20%	23.0(18.0)	6.40(8.00)	(5.90)
CDRH124NP-8R2MC	8.2±20%	26.0(21.0)	6.32(7.90)	(5.40)
CDRH124NP-100MC	10±20%	28.0(22.0)	5.60(7.00)	(5.05)
CDRH124NP-120MC	12±20%	38.0(30.0)	4.96(6.20)	(4.55)
CDRH124NP-150MC	15±20%	50.0(40.0)	4.32(5.40)	(3.80)
CDRH124NP-180MC	18±20%	57.0(46.0)	3.96(4.95)	(3.72)
CDRH124NP-220MC	22±20%	66.0(53.0)	3.80(4.75)	(3.52)
CDRH124NP-270MC	27±20%	80.0(64.0)	3.08(3.85)	(3.30)
CDRH124NP-330MC	33±20%	97.0(78.0)	2.96(3.70)	(3.10)
CDRH124NP-390MC	39±20%	132(106)	2.66(3.32)	(2.55)
CDRH124NP-470MC	47±20%	150(120)	2.56(3.20)	(2.28)
CDRH124NP-560MC	56±20%	190(152)	2.36(2.95)	(2.10)
CDRH124NP-680MC	68±20%	220(176)	2.14(2.67)	(1.80)
CDRH124NP-820MC	82±20%	260(208)	1.90(2.37)	(1.55)
CDRH124NP-101MC	100±20%	308(246)	1.66(2.07)	(1.40)
CDRH124NP-121MC	120±20%	380(304)	1.54(1.90)	(1.32)
CDRH124NP-151MC	150±20%	530(424)	1.42(1.77)	(1.20)
CDRH124NP-181MC	180±20%	620(496)	1.33(1.66)	(1.06)
CDRH124NP-221MC	220±20%	700(560)	1.18(1.48)	(0.93)
CDRH124NP-271MC	270±20%	870(696)	0.98(1.23)	(0.76)
CDRH124NP-331MC	330±20%	990(792)	0.90(1.13)	(0.65)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 25%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から35%低下する直流電流値。
*B Isat（直流重畳電流）: インダクタンスが初期値から25%低下する直流電流値。
*C Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

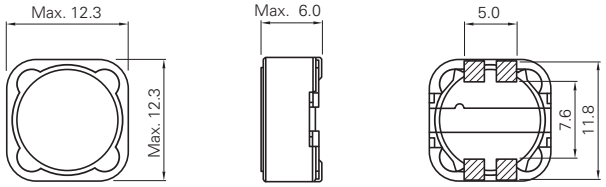
CDRH10D68	1.8g
CDRH124	2.3g

Packing Quantity / 梱包数量

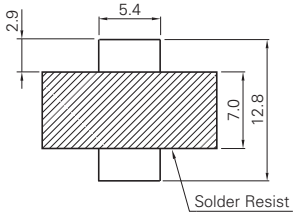
CDRH10D68	500pcs/reel
CDRH124	500pcs/reel

CDRH125/LD

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



* In order to prevent short-circuiting, a solder resist is recommended.
* ショート防止の為、ソルダレジスト推奨

WIRE
線種

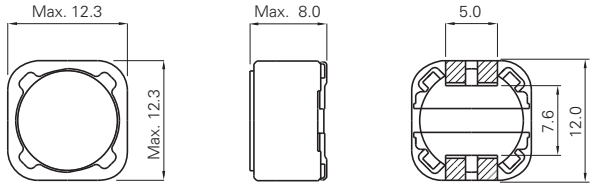
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

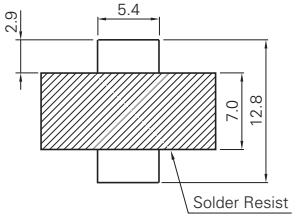
Part No.	L (μH)	CDRH125/LD D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
CDRH125/LDNP-7R5NC	7.5±30%	19.0(14.7)	5.60(7.00)	(6.40)
CDRH125/LDNP-100NC	10±30%	29.0(22.5)	4.60(6.00)	(5.40)
CDRH125/LDNP-120MC	12±20%	32.0(24.6)	4.20(5.40)	(5.20)
CDRH125/LDNP-150MC	15±20%	35.0(27.1)	4.00(5.00)	(5.00)
CDRH125/LDNP-180MC	18±20%	41.0(31.8)	3.56(4.50)	(4.60)
CDRH125/LDNP-220MC	22±20%	44.0(33.9)	3.28(4.20)	(4.50)
CDRH125/LDNP-270MC	27±20%	52.0(41.5)	3.00(3.70)	(4.20)
CDRH125/LDNP-330MC	33±20%	65.0(50.0)	2.60(3.25)	(3.80)
CDRH125/LDNP-390MC	39±20%	75.0(60.0)	2.40(3.00)	(3.40)
CDRH125/LDNP-470MC	47±20%	95.0(72.5)	2.30(2.90)	(2.70)
CDRH125/LDNP-560MC	56±20%	125(95.4)	2.00(2.50)	(2.60)
CDRH125/LDNP-680MC	68±20%	140(110)	1.85(2.25)	(2.40)
CDRH125/LDNP-820MC	82±20%	157(121)	1.70(2.10)	(2.30)
CDRH125/LDNP-101MC	100±20%	187(144)	1.60(2.00)	(2.15)
CDRH125/LDNP-121MC	120±20%	228(175)	1.37(1.70)	(1.90)
CDRH125/LDNP-151MC	150±20%	280(218)	1.26(1.60)	(1.75)
CDRH125/LDNP-181MC	180±20%	335(259)	1.14(1.45)	(1.48)
CDRH125/LDNP-221MC	220±20%	395(303)	1.08(1.35)	(1.40)
CDRH125/LDNP-271MC	270±20%	520(403)	0.94(1.20)	(1.25)
CDRH125/LDNP-331MC	330±20%	710(547)	0.85(1.10)	(1.05)
CDRH125/LDNP-391MC	390±20%	800(614)	0.77(0.98)	(1.00)
CDRH125/LDNP-471MC	470±20%	920(711)	0.72(0.90)	(0.95)
CDRH125/LDNP-561MC	560±20%	1,200(956)	0.67(0.83)	(0.85)
CDRH125/LDNP-681MC	680±20%	1,350(1,080)	0.57(0.71)	(0.78)
CDRH125/LDNP-821MC	820±20%	1,400(1,170)	0.51(0.62)	(0.72)
CDRH125/LDNP-102MC	1000±20%	1,950(1,620)	0.46(0.58)	(0.60)

CDRH127/LD

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



* In order to prevent short-circuiting, a solder resist is recommended.
* ショート防止の為、ソルダレジスト推奨

WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

Part No.	L (μH)	CDRH127/LD D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
CDRH127/LDNP-1R0NC	1.0±30%	6.50(5.00)	21.8(27.2)	(15.8)
CDRH127/LDNP-2R4NC	2.4±30%	10.5(8.10)	14.2(17.7)	(11.5)
CDRH127/LDNP-3R5NC	3.5±30%	12.4(9.50)	11.8(14.7)	(10.3)
CDRH127/LDNP-4R6NC	4.6±30%	13.8(10.6)	10.4(13.0)	(10.1)
CDRH127/LDNP-5R8NC	5.8±30%	16.2(12.4)	9.00(11.2)	(9.60)
CDRH127/LDNP-7R4NC	7.4±30%	17.7(13.6)	8.40(10.5)	(8.70)
CDRH127/LDNP-100MC	10±20%	19.5(15.0)	6.70(8.40)	(7.80)
CDRH127/LDNP-120MC	12±20%	21.3(16.4)	6.45(7.50)	(7.40)
CDRH127/LDNP-150MC	15±20%	26.4(20.3)	5.65(6.80)	(7.10)
CDRH127/LDNP-180MC	18±20%	28.0(21.5)	5.10(6.70)	(6.60)
CDRH127/LDNP-220MC	22±20%	36.4(28.0)	4.70(5.80)	(6.30)
CDRH127/LDNP-270MC	27±20%	41.6(32.0)	4.20(5.40)	(5.70)
CDRH127/LDNP-330MC	33±20%	53.3(41.0)	3.90(4.80)	(5.10)
CDRH127/LDNP-390MC	39±20%	60.5(46.5)	3.50(4.40)	(4.50)
CDRH127/LDNP-470MC	47±20%	78.0(60.0)	3.25(4.10)	(4.10)
CDRH127/LDNP-560MC	56±20%	90.0(69.0)	2.90(3.60)	(3.60)
CDRH127/LDNP-680MC	68±20%	120(92.0)	2.60(3.40)	(3.20)
CDRH127/LDNP-820MC	82±20%	119(91.0)	2.40(2.85)	(2.95)
CDRH127/LDNP-101MC	100±20%	151(119)	2.10(2.70)	(2.60)
CDRH127/LDNP-121MC	120±20%	169(130)	1.90(2.60)	(2.40)
CDRH127/LDNP-151MC	150±20%	227(174)	1.80(2.15)	(2.15)
CDRH127/LDNP-181MC	180±20%	299(230)	1.55(2.05)	(1.90)
CDRH127/LDNP-221MC	220±20%	338(260)	1.45(1.90)	(1.75)
CDRH127/LDNP-271MC	270±20%	419(322)	1.30(1.60)	(1.60)
CDRH127/LDNP-331MC	330±20%	471(362)	1.20(1.45)	(1.50)
CDRH127/LDNP-391MC	390±20%	572(440)	1.10(1.40)	(1.40)
CDRH127/LDNP-471MC	470±20%	741(570)	1.00(1.30)	(1.25)
CDRH127/LDNP-561MC	560±20%	852(655)	0.95(1.12)	(1.10)
CDRH127/LDNP-681MC	680±20%	1,130(870)	0.85(1.10)	(1.03)
CDRH127/LDNP-821MC	820±20%	1,240(950)	0.75(0.92)	(0.92)
CDRH127/LDNP-102MC	1000±20%	1,500(1,150)	0.70(0.86)	(0.85)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 25%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から25%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

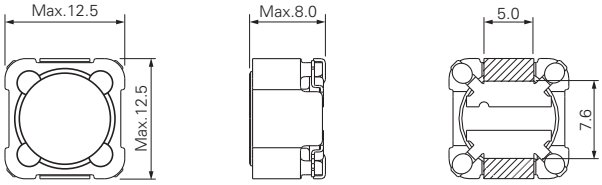
CDRH125/LD 3.0g
CDRH127/LD 4.0g

Packing Quantity / 梱包数量

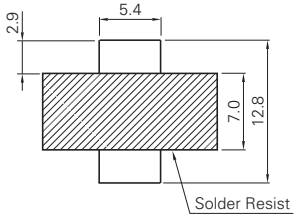
CDRH125/LD 500pcs/reel
CDRH127/LD 500pcs/reel

CDRH12D78E/LD

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



* In order to prevent short-circuiting, a solder resist is recommended.

WIRE
線種

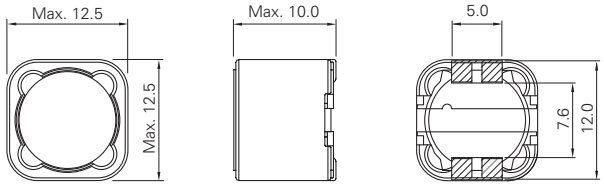
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

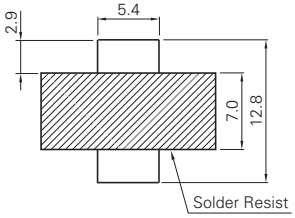
Part No.	L (μH)	CDRH12D78E/LD		
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 25°C	Irms (A)*B (Typ.)
CDRH12D78ELDNP-1R0NC	1.0±30%	6.50(5.00)	20.0(25.0)	(14.2)
CDRH12D78ELDNP-1R8NC	1.8±30%	8.20(6.30)	15.7(19.7)	(12.8)
CDRH12D78ELDNP-2R4NC	2.4±30%	10.5(8.10)	14.2(17.7)	(11.5)
CDRH12D78ELDNP-3R5NC	3.5±30%	12.4(9.50)	11.8(14.7)	(10.3)
CDRH12D78ELDNP-5R8NC	5.8±30%	16.2(12.4)	9.00(11.2)	(9.60)
CDRH12D78ELDNP-7R4NC	7.4±30%	17.7(13.6)	8.40(10.5)	(8.70)
CDRH12D78ELDNP-100MC	10±20%	19.5(15.0)	6.70(8.40)	(7.80)
CDRH12D78ELDNP-120MC	12±20%	21.3(16.4)	6.45(7.50)	(7.40)
CDRH12D78ELDNP-150MC	15±20%	28.6(22.0)	6.00(7.10)	(6.80)
CDRH12D78ELDNP-180MC	18±20%	31.2(24.0)	5.10(6.40)	(6.50)
CDRH12D78ELDNP-220MC	22±20%	36.4(28.0)	4.70(5.80)	(6.30)
CDRH12D78ELDNP-270MC	27±20%	41.6(32.0)	4.20(5.40)	(5.70)
CDRH12D78ELDNP-330MC	33±20%	57.0(43.8)	3.75(4.70)	(5.00)
CDRH12D78ELDNP-470MC	47±20%	78.0(60.0)	3.25(4.10)	(4.10)
CDRH12D78ELDNP-680MC	68±20%	120(93.0)	2.65(3.30)	(3.20)
CDRH12D78ELDNP-101MC	100±20%	151(119)	2.10(2.70)	(2.60)
CDRH12D78ELDNP-151MC	150±20%	235(188)	1.76(2.20)	(2.10)
CDRH12D78ELDNP-181MC	180±20%	288(231)	1.60(2.00)	(1.90)
CDRH12D78ELDNP-221MC	220±20%	357(286)	1.40(1.80)	(1.55)
CDRH12D78ELDNP-331MC	330±20%	518(415)	1.20(1.50)	(1.45)
CDRH12D78ELDNP-471MC	470±20%	718(575)	1.00(1.28)	(1.23)
CDRH12D78ELDNP-681MC	680±20%	1,030(824)	0.85(1.07)	(1.05)
CDRH12D78ELDNP-102MC	1000±20%	1,500(1,270)	0.70(0.86)	(0.82)

CDRH129

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



* In order to prevent short-circuiting, a solder resist is recommended.

WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDRH129			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 125°C	Irms (A)*B (Typ.)
CDRH129HF-1R0NC	1.0±30%	5.50(4.40)	19.9(24.9)	12.3(15.4)	(13.4)
CDRH129HF-1R8NC	1.8±30%	6.50(5.20)	13.4(16.8)	11.4(14.3)	(12.6)
CDRH129HF-2R5NC	2.5±30%	8.00(6.40)	12.2(15.2)	9.36(11.7)	(11.7)
CDRH129HF-3R5NC	3.5±30%	9.70(7.70)	12.0(15.0)	9.40(11.8)	(9.90)
CDRH129HF-4R7NC	4.7±30%	11.0(8.90)	10.1(12.6)	7.84(9.80)	(9.40)
CDRH129HF-6R8NC	6.8±30%	12.4(9.90)	8.56(10.7)	6.72(8.40)	(8.20)
CDRH129HF-7R5NC	7.5±30%	14.0(11.0)	8.48(10.6)	6.56(8.20)	(7.80)
CDRH129HF-100NC	10±30%	18.0(14.4)	7.12(8.90)	4.80(6.00)	(7.60)
CDRH129HF-120MC	12±20%	19.0(15.0)	7.04(8.80)	4.72(5.90)	(7.10)
CDRH129HF-150MC	15±20%	26.0(21.0)	5.84(7.30)	4.64(5.80)	(5.95)
CDRH129HF-220MC	22±20%	29.0(23.0)	5.12(6.40)	3.92(4.90)	(5.70)
CDRH129HF-330MC	33±20%	53.0(42.0)	4.25(5.30)	3.36(4.20)	(4.10)
CDRH129HF-470MC	47±20%	63.0(50.0)	3.60(4.50)	2.81(3.52)	(3.92)
CDRH129HF-560MC	56±20%	68.0(54.0)	2.85(3.57)	2.20(2.75)	(3.40)
CDRH129HF-680MC	68±20%	93.0(74.0)	2.76(3.45)	2.24(2.80)	(3.25)
CDRH129HF-820MC	82±20%	99.0(79.0)	2.62(3.28)	1.98(2.48)	(2.90)
CDRH129HF-101MC	100±20%	126(100)	2.31(2.89)	1.82(2.28)	(2.75)
CDRH129HF-121MC	120±20%	154(120)	2.05(2.57)	1.56(1.95)	(2.45)
CDRH129HF-151MC	150±20%	174(140)	1.80(2.25)	1.44(1.80)	(2.16)
CDRH129HF-181MC	180±20%	191(150)	1.66(2.08)	1.22(1.53)	(2.13)
CDRH129HF-221MC	220±20%	246(200)	1.64(2.05)	1.26(1.58)	(1.95)
CDRH129HF-331MC	330±20%	386(310)	1.28(1.60)	1.04(1.30)	(1.45)
CDRH129HF-471MC	470±20%	471(380)	1.06(1.33)	0.87(1.09)	(1.41)
CDRH129HF-561MC	560±20%	650(540)	1.01(1.27)	0.76(0.95)	(1.12)
CDRH129HF-681MC	680±20%	730(580)	0.83(1.04)	0.68(0.86)	(1.10)
CDRH129HF-821MC	820±20%	824(660)	0.81(1.02)	0.63(0.79)	(1.06)
CDRH129HF-102MC	1000±20%	1,220(970)	0.70(0.88)	0.56(0.71)	(0.88)
CDRH129HF-122MC	1200±20%	1,330(1,110)	0.64(0.81)	0.52(0.65)	(0.90)
CDRH129HF-152MC	1500±20%	1,990(1,660)	0.56(0.71)	0.44(0.56)	(0.68)
CDRH129HF-182MC	1800±20%	2,180(1,820)	0.48(0.60)	0.38(0.48)	(0.62)
CDRH129HF-222MC	2200±20%	2,580(2,150)	0.43(0.54)	0.37(0.47)	(0.59)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 25%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から25%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDRH12D78E/LD 3.9g
CDRH129 4.8g

Packing Quantity / 梱包数量
CDRH12D78E/LD 500pcs/reel
CDRH129 250pcs/reel

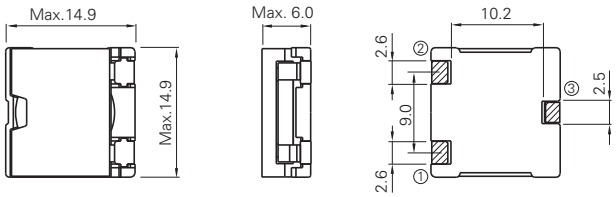
SMD Shielded Type
High Current Power Inductor Series

OUTLINE / 概要

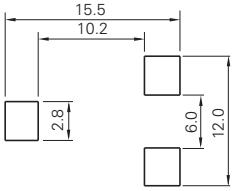
It can be used for large current low profile and low resistance.
薄型・低抵抗で大電流対応を実現しました。

CDEP145

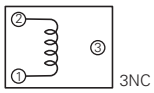
DIMENSIONS (mm) 外形寸法図



LAND PATTERN (mm) 推奨ランド寸法



CONNECTION 端子接続



BOTTOM VIEW
裏面図

WIRE 線種

CONSTRUCTION 磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDEP145(Standard Type)				CDEP145(High Power Type)			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.)		Irms (A)*B (Typ.)	D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.)		Irms (A)*B (Typ.)
			at 20°C	at 100°C			at 20°C	at 100°C	
CDEP145NP-0R5MC-140	0.56±20%					1.70(1.40)	36.0(48.0)	31.2(41.2)	(23.0)
CDEP145NP-0R6MC-170	0.68±20%	1.70(1.40)	30.0(40.0)	25.6(33.5)	(23.0)				
CDEP145NP-1R2MC-140	1.2±20%					3.00(2.50)	25.0(33.5)	20.8(28.0)	(19.5)
CDEP145NP-1R5MC-170	1.5±20%	3.00(2.50)	19.8(27.0)	17.0(22.0)	(19.5)				
CDEP145NP-2R2MC-140	2.2±20%					4.60(3.80)	19.2(26.0)	16.0(21.2)	(15.0)
CDEP145NP-2R7MC-170	2.7±20%	4.60(3.80)	15.2(20.5)	13.0(17.0)	(15.0)				
CDEP145NP-3R5MC-140	3.5±20%					7.40(6.20)	15.4(20.5)	13.0(17.2)	(12.0)
CDEP145NP-4R2MC-170	4.2±20%	7.40(6.20)	12.3(16.5)	10.6(13.8)	(12.0)				
CDEP145NP-5R0MC-140	5.0±20%					10.8(9.00)	13.1(17.5)	10.8(14.4)	(9.50)
CDEP145NP-6R1MC-170	6.1±20%	10.8(9.00)	10.4(14.0)	8.80(11.6)	(9.50)				

Other / その他

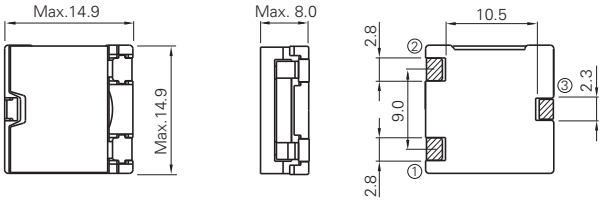
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 25%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から25%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDEP145 3.8g

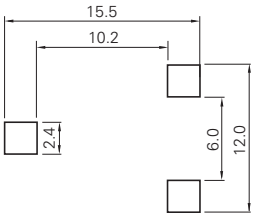
Packing Quantity / 梱包数量
CDEP145 500pcs/reel

CDEP147

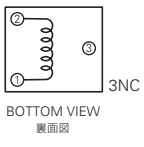
DIMENSIONS (mm) 外形寸法図



LAND PATTERN (mm) 推奨ランド寸法



CONNECTION 端子接続



WIRE 線種

CONSTRUCTION 磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDEP147(Low D.C.R. Type)				CDEP147(Standard Type)				CDEP147(High Power Type)			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 100°C	Irms (A)*B (Typ.)	D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 100°C	Irms (A)*B (Typ.)	D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 100°C	Irms (A)*B (Typ.)
CDEP147NP-0R3NC-73	0.3±25%									1.18(0.98)	70.0(87.6)	59.8(74.8)	(23.0)
CDEP147NP-0R4NC-95	0.4±25%					1.18(0.98)	52.8(66.0)	45.6(57.0)	(23.0)				
CDEP147NP-0R5MC-125	0.5±20%	1.18(0.98)	39.6(49.5)	33.9(42.4)	(23.0)								
CDEP147NP-0R7MC-73	0.7±20%									1.46(1.22)	46.4(58.0)	39.2(49.0)	(21.5)
CDEP147NP-0R9MC-95	0.9±20%					1.46(1.22)	36.0(45.0)	30.8(38.5)	(21.5)				
CDEP147NP-1R1MC-125	1.1±20%	1.46(1.22)	26.4(33.0)	22.8(28.5)	(21.5)								
CDEP147NP-1R2MC-73	1.2±20%									2.02(1.69)	35.7(44.7)	30.0(37.5)	(20.0)
CDEP147NP-1R5MC-95	1.5±20%					2.02(1.69)	27.2(34.0)	22.8(28.5)	(20.0)				
CDEP147NP-1R8MC-73	1.8±20%									3.23(2.70)	29.6(37.0)	24.0(30.0)	(17.5)
CDEP147NP-2R0MC-125	2.0±20%	2.02(1.69)	19.6(24.5)	16.8(21.0)	(20.0)								
CDEP147NP-2R4MC-95	2.4±20%					3.23(2.70)	22.4(28.0)	19.2(24.0)	(17.5)				
CDEP147NP-2R6MC-73	2.6±20%									4.97(4.14)	24.4(30.5)	20.4(25.5)	(16.0)
CDEP147NP-3R1MC-125	3.1±20%	3.23(2.70)	16.0(20.0)	13.6(17.0)	(17.5)								
CDEP147NP-3R4MC-95	3.4±20%					4.97(4.14)	18.4(23.0)	16.0(20.0)	(16.0)				
CDEP147NP-3R5MC-73	3.5±20%									6.03(5.02)	20.8(26.0)	17.2(21.5)	(12.5)
CDEP147NP-4R5MC-125	4.5±20%	4.97(4.14)	13.6(17.0)	11.6(14.5)	(16.0)								
CDEP147NP-4R7MC-95	4.7±20%					6.03(5.02)	15.2(19.0)	14.2(17.8)	(12.5)				
CDEP147NP-4R7MC-73	4.7±20%									7.80(6.50)	17.6(22.0)	16.0(20.0)	(11.0)
CDEP147NP-5R9MC-73	5.9±20%									9.85(8.21)	16.4(20.5)	14.0(17.5)	(10.0)
CDEP147NP-6R1MC-125	6.1±20%	6.03(5.02)	11.6(14.5)	10.0(12.5)	(12.5)								
CDEP147NP-6R1MC-95	6.1±20%					7.80(6.50)	14.8(18.5)	12.4(15.5)	(11.0)				
CDEP147NP-7R3MC-73	7.3±20%									13.3(11.1)	14.6(18.3)	12.2(15.3)	(8.50)
CDEP147NP-7R7MC-95	7.7±20%					9.85(8.21)	12.4(15.5)	10.6(13.2)	(10.0)				
CDEP147NP-8R0MC-125	8.0±20%	7.80(6.50)	10.0(12.5)	8.20(10.3)	(11.0)								
CDEP147NP-9R5MC-95	9.5±20%					13.3(11.1)	11.2(14.0)	9.60(12.0)	(8.50)				
CDEP147NP-100MC-125	10±20%	9.85(8.21)	9.20(11.5)	7.60(9.50)	(10.0)								
CDEP147NP-120MC-125	12±20%	13.3(11.1)	8.00(10.0)	6.60(8.20)	(8.50)								

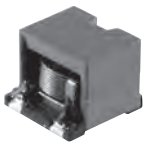
Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause nominal inductance value to drop approximately 25%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが公称値の25%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

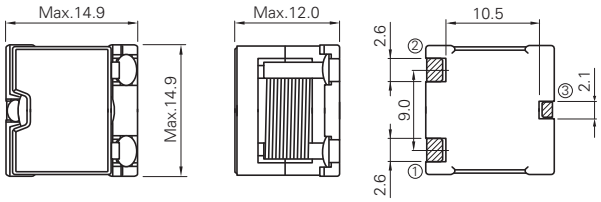
Weight (Ref.) / 重量(参考値)
CDEP147 5.4g

Packing Quantity / 梱包数量
CDEP147 300pcs/reel

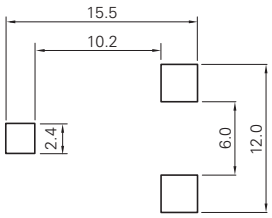
CDEP1411



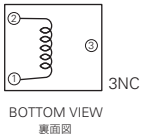
DIMENSIONS (mm) 外形寸法図



LAND PATTERN (mm) 推奨ランド寸法



CONNECTION 端子接続



BOTTOM VIEW
裏面図

WIRE 線種

CONSTRUCTION 磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDEP1411(Standard Type)				CDEP1411(High PowerType)			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.)		Irms (A)*B (Typ.)	D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.)		Irms (A)*B (Typ.)
			at 20°C	at 105°C			at 20°C	at 105°C	
CDEP1411NP-4R7MC-95	4.7±20%					4.44(3.70)	18.4(23.5)	14.0(18.0)	(13.0)
CDEP1411NP-5R4MC-150	5.4±20%	3.72(3.10)	15.2(19.4)	12.0(15.4)	(15.4)				
CDEP1411NP-6R1MC-95	6.1±20%					5.40(4.50)	16.4(21.0)	12.4(15.5)	(12.5)
CDEP1411NP-7R4MC-150	7.4±20%	4.44(3.70)	10.8(13.8)	8.40(10.5)	(13.0)				
CDEP1411NP-7R7MC-95	7.7±20%					7.56(6.30)	14.8(18.5)	11.2(14.3)	(10.3)
CDEP1411NP-100MC-150	10±20%	5.40(4.50)	9.20(11.8)	6.90(8.80)	(12.5)				
CDEP1411NP-100MC-95	10±20%					8.40(7.00)	13.1(16.8)	10.0(12.8)	(9.60)
CDEP1411NP-120MC-150	12±20%	7.56(6.30)	8.50(11.0)	6.50(8.50)	(10.3)				
CDEP1411NP-120MC-95	12±20%					9.72(8.10)	11.8(15.0)	9.00(11.5)	(9.00)
CDEP1411NP-140MC-95	14±20%					11.3(9.40)	10.9(13.9)	8.30(10.5)	(8.30)
CDEP1411NP-150MC-150	15±20%	8.40(7.00)	8.00(10.3)	6.00(7.80)	(9.60)				
CDEP1411NP-180MC-150	18±20%	9.72(8.10)	7.20(9.20)	5.50(7.00)	(9.00)				
CDEP1411NP-220MC-150	22±20%	11.3(9.40)	6.40(8.20)	5.00(6.40)	(8.30)				

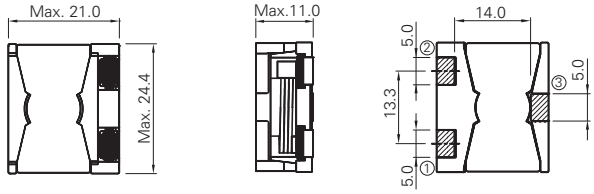
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 25%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から25%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDEP1411 7.8g

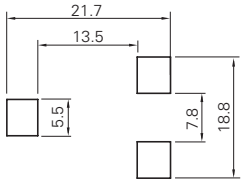
Packing Quantity / 梱包数量
CDEP1411 150pcs/reel

CDPQ2010

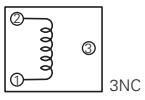
DIMENSIONS (mm) 外形寸法図



LAND PATTERN (mm) 推奨ランド寸法



CONNECTION 端子接続



BOTTOM VIEW
裏面図

WIRE 線種

CONSTRUCTION 磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDPQ2010(Low D.C.R. Type)				CDPQ2010(Standard Type)				CDPQ2010(High Power Type)			
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.)		Irms (A)*B (Typ.)	D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.)		Irms (A)*B (Typ.)	D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.)		Irms (A)*B (Typ.)
			at 20°C	at 125°C			at 20°C	at 125°C			at 20°C	at 125°C	
CDPQ2010NP-2R7M-160	2.7±20%									2.00(1.65)	29.2(36.5)	20.4(25.5)	(21.0)
CDPQ2010NP-3R9M-160	3.9±20%									2.40(2.00)	23.5(29.4)	16.4(20.5)	(20.0)
CDPQ2010NP-3R9M-250	3.9±20%					2.00(1.65)	19.0(23.8)	13.2(16.6)	(21.0)				
CDPQ2010NP-4R7M-300	4.7±20%	2.00(1.65)	15.6(19.5)	11.0(13.8)	(21.0)								
CDPQ2010NP-5R6M-160	5.6±20%									3.45(2.85)	19.2(24.0)	13.2(16.6)	(17.0)
CDPQ2010NP-6R2M-250	6.2±20%					2.40(2.00)	15.7(19.6)	11.0(13.7)	(20.0)				
CDPQ2010NP-7R5M-160	7.5±20%									4.68(3.90)	17.0(21.3)	11.8(14.8)	(14.0)
CDPQ2010NP-7R5M-300	7.5±20%	2.40(2.00)	12.3(15.4)	8.60(10.7)	(20.0)								
CDPQ2010NP-8R8M-250	8.8±20%					3.45(2.85)	12.4(15.5)	8.70(10.9)	(17.0)				
CDPQ2010NP-100M-160	10±20%									5.80(4.85)	14.6(18.3)	10.1(12.7)	(12.6)
CDPQ2010NP-100M-300	10±20%	3.45(2.85)	10.3(12.9)	7.00(8.80)	(17.0)								
CDPQ2010NP-120M-250	12±20%					4.68(3.90)	10.8(13.5)	7.50(9.40)	(14.0)				
CDPQ2010NP-140M-300	14±20%	4.68(3.90)	9.80(12.3)	6.90(8.60)	(14.0)								
CDPQ2010NP-150M-250	15±20%					5.80(4.85)	9.70(12.1)	6.60(8.30)	(12.6)				
CDPQ2010NP-180M-300	18±20%	5.80(4.85)	7.70(9.60)	5.30(6.70)	(12.6)								

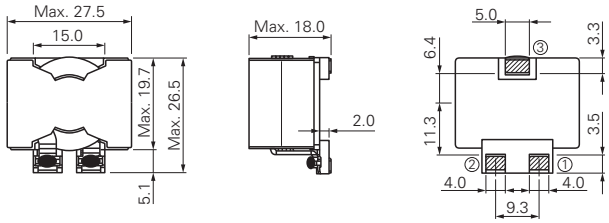
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause nominal inductance value to drop approximately 25%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 25°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが公称値の25%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=25℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDPQ2010 15.8g

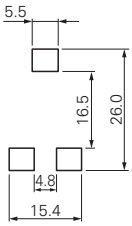
Packing Quantity / 梱包数量
CDPQ2010 200pcs/box

CDPQ2417

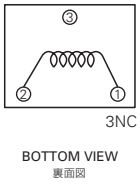
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



WIRE
線種

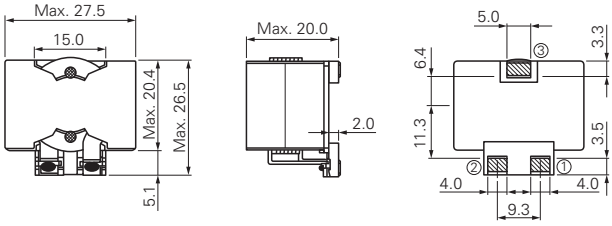
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

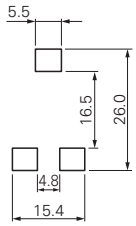
Part No.	L (μH)	CDPQ2417 D.C.R.(mΩ) Max. (Typ.) at 20°C	CDPQ2417 Isat (A)*A (Typ.) at 20°C	CDPQ2417 Irms (A)*B (Typ.)
CDPQ2417NP-2R2MB	2.2±20%	2.05(1.80)	(100)	(30.0)
CDPQ2417NP-3R3MB	3.3±20%	2.05(1.80)	(72.0)	(30.0)
CDPQ2417NP-4R7MB	4.7±20%	2.05(1.80)	(52.0)	(30.0)
CDPQ2417NP-6R8MB	6.8±20%	2.05(1.80)	(35.0)	(30.0)
CDPQ2417NP-100MB	10±20%	2.05(1.80)	(23.0)	(30.0)
CDPQ2417NP-150MB	15±20%	2.05(1.80)	(15.2)	(30.0)

CDPQ2419

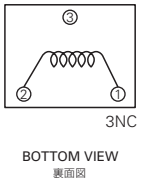
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDPQ2419 D.C.R.(mΩ) Max. (Typ.) at 20°C	CDPQ2419 Isat (A)*A (Typ.) at 20°C	CDPQ2419 Irms (A)*B (Typ.)
CDPQ2419NP-3R3LB-AL51	3.3±15%	2.86(2.60)	(100)	(28.0)
CDPQ2419NP-4R7LB-AL73	4.7±15%	2.86(2.60)	(72.0)	(28.0)
CDPQ2419NP-100LB-AL156	10±15%	2.86(2.60)	(35.0)	(28.0)
CDPQ2419NP-220LB-AL234	15±15%	2.86(2.60)	(24.0)	(28.0)
CDPQ2419NP-220LB-AL343	22±15%	2.86(2.60)	(16.0)	(28.0)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 20%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から20%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

CDPQ2417 30.0g
CDPQ2419 38.0g

Packing Quantity / 梱包数量

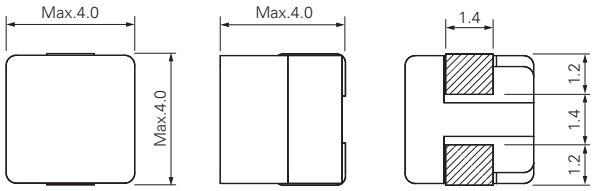
CDPQ2417 200pcs/box
CDPQ2419 200pcs/box

SMD Shielded Type
Multiple chopper type DC/DC converter inductors

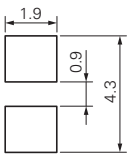
OUTLINE / 概要
Suitable applications are ones used in the multiple chopper type DC/DC converters for servers and various decentralized power supplies.
サーバ、各種分散電源等に複数作られるチョッパー型DC/DCコンバータ用インダクタとして最適。

CDB38D38

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

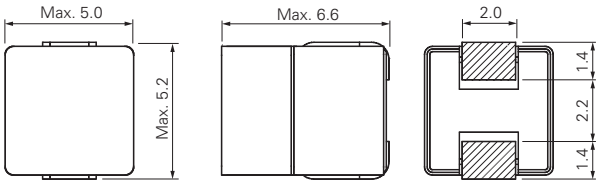
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

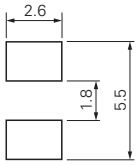
Part No.	L (μH)	CDB38D38 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 25°C	at 45°C	at 100°C	at 125°C	Irms (A)*B (Typ.)
CDB38D38NP-R065MC	0.065±20%	0.35(0.32)	24.5(29.0)	23.5(28.0)	20.0(24.0)	18.5(22.0)	(24.0)
CDB38D38NP-R10PC	0.10±25%	0.35(0.32)	14.5(17.0)	13.5(16.0)	12.5(15.0)	11.9(14.0)	(24.0)

CDB48D64

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDB48D64 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 25°C	at 45°C	at 75°C	at 100°C	Irms (A)*B (Typ.)
CDB48D64NP-R05MC	0.05±20%	0.28(0.27)	61.0(72.0)	60.0(69.0)	56.5(66.0)	54.0(64.0)	(53.0)
CDB48D64NP-R07MC	0.07±20%	0.28(0.27)	47.0(55.5)	45.0(53.0)	42.5(50.0)	40.0(47.0)	(53.0)
CDB48D64NP-R10MC	0.10±20%	0.28(0.27)	29.5(35.0)	27.0(32.0)	25.0(29.5)	23.4(27.5)	(53.0)

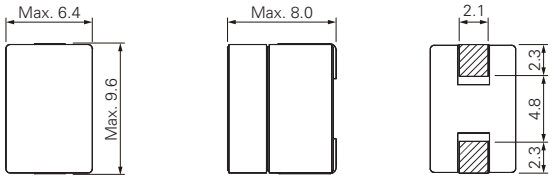
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 20%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から20%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDB38D38 0.25g
CDB48D64 0.69g

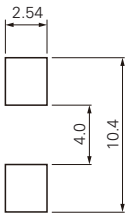
Packing Quantity / 梱包数量
CDB38D38 1,500pcs/reel
CDB48D64 500pcs/reel

CDB62D78

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



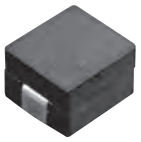
WIRE
線種

CONSTRUCTION
磁気構造図

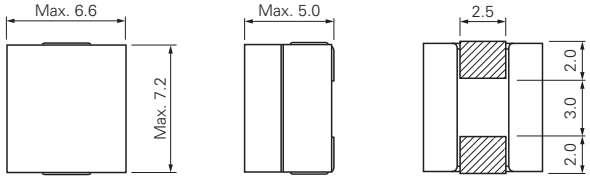
Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDB62D78 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 125°C	Irms (A)*B (Typ.)
CDB62D78NP-R10MC	0.10±20%	0.30(0.29)	80.5(95.0)	68.0(80.0)	(51.0)
CDB62D78NP-R12MC	0.12±20%	0.30(0.29)	71.0(84.0)	59.5(70.0)	(51.0)
CDB62D78NP-R15MC	0.15±20%	0.30(0.29)	55.0(65.0)	46.5(55.0)	(51.0)
CDB62D78NP-R18MC	0.18±20%	0.30(0.29)	46.5(55.0)	38.0(45.0)	(51.0)
CDB62D78NP-R22MC	0.22±20%	0.30(0.29)	38.0(45.0)	29.5(35.0)	(51.0)
CDB62D78NP-R28MC	0.28±20%	0.30(0.29)	29.0(34.0)	23.5(28.0)	(51.0)

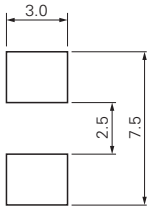
CDB64D48



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

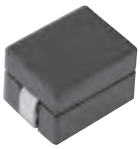
Part No.	L (μH)	CDB64D48 D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 125°C	Irms (A)*B (Typ.)
CDB64D48NP-R10MC	0.10±20%	0.28(0.25)	43.0(54.0)	32.0(39.0)	(43.0)
CDB64D48NP-R15MC	0.15±20%	0.28(0.25)	28.0(34.0)	24.0(28.0)	(43.0)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 20%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から20%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

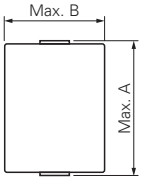
Weight (Ref.) / 重量(参考値)
CDB62D78 2.02g
CDB64D48 1.0g

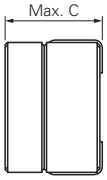
Packing Quantity / 梱包数量
CDB62D78 500pcs/reel
CDB64D48 1,000pcs/reel

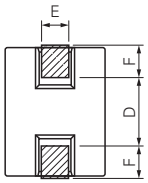
CDB7 *D**



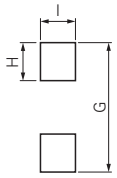
DIMENSIONS (mm)
外形寸法図







LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Type Name	A (mm)	B(mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
CDB76D74	10.4	7.9	7.6	5.1	2.2	2.5	11.2	3.3	3.05
CDB78D60	10.4	8.0	6.3	5.1	2.2	2.5	10.8	3.0	2.8
CDB78D68	10.4	8.0	7.0	5.2	2.2	2.5	10.8	3.0	2.5
CDB78D73B	10.0	8.0	7.5	4.8	2.0	2.5	10.4	3.0	2.5
CDB78D78	12.5	8.0	8.0	7.2	2.0	2.5	12.8	3.0	3.5
CDB78D78C	10.8	8.0	8.0	5.4	2.5	2.5	11.18	3.56	3.0
CDB78D83	11.1	8.0	8.5	5.6	4.0	2.5	11.2	3.1	4.5

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Type Name	L (μH)	Part No.	D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.)			Irms (A)*B (Typ.)
				at 25°C	at 100°C	at 125°C	
CDB76D74	0.15±20%	CDB76D74NP-R15MC	0.31(0.29)	63.0(75.0)	59.0(70.0)	—	(60.0)
	0.215±20%	CDB76D74NP-R22MC	0.31(0.29)	42.0(50.0)	38.0(45.0)	—	(60.0)
CDB78D60	0.19±20%	CDB78D60NP-R19MC	0.31(0.28)	37.0(44.0)*C	—	—	(50.0)
CDB78D68	0.15±20%	CDB78D68NP-R15MC	0.31(0.28)	59.5(70.0)*C	—	42.5(50.0)	(60.0)
	0.215±20%	CDB78D68NP-R22MC	0.31(0.28)	42.5(50.0)*C	—	32.0(38.0)	(60.0)
	0.30±20%	CDB78D68NP-R30MC	0.31(0.28)	29.0(34.0)*C	—	22.0(26.0)	(60.0)
	0.47±20%	CDB78D68NP-R47MC	0.31(0.28)	20.0(23.5)*C	—	14.5(17.0)	(60.0)
CDB78D73B	0.12±20%	CDB78D73BNP-R12MC	0.33(0.29)	73.0(86.0)	—	58.0(68.0)	(50.0)
	0.15±20%	CDB78D73BNP-R15MC	0.33(0.29)	58.0(68.0)	—	47.0(55.0)	(50.0)
	0.20±20%	CDB78D73BNP-R20MC	0.33(0.29)	42.5(50.0)	—	34.0(40.0)	(50.0)
	0.27±20%	CDB78D73BNP-R27MC	0.33(0.29)	31.5(37.0)	—	23.8(28.0)	(50.0)
CDB78D78	0.15±20%	CDB78D78NP-R15MC	0.29(0.28)	91.8(108)	74.8(88.0)	—	(57.0)
	0.19±20%	CDB78D78NP-R19MC	0.29(0.28)	63.7(75.0)	59.5(70.0)	—	(57.0)
	0.22±20%	CDB78D78NP-R22MC	0.29(0.28)	56.0(66.0)	46.7(55.0)	—	(57.0)
CDB78D78C	0.10±20%	CDB78D78CNP-R10MC	0.19(0.18)	105(125)	88.0(104)	83.0(98.0)	(73.0)
	0.12±20%	CDB78D78CNP-R12MC	0.19(0.18)	89.0(105)	76.0(90.0)	70.0(83.0)	(73.0)
	0.15±20%	CDB78D78CNP-R15MC	0.19(0.18)	71.0(84.0)	64.0(75.0)	58.0(68.0)	(73.0)
	0.17±20%	CDB78D78CNP-R17MC	0.19(0.18)	60.0(70.0)	53.0(62.0)	49.0(58.0)	(73.0)
	0.22±20%	CDB78D78CNP-R22MC	0.19(0.18)	46.0(55.0)	42.0(50.0)	38.0(45.0)	(73.0)
	0.33±20%	CDB78D78CNP-R33MC	0.19(0.18)	30.0(35.0)	26.0(31.0)	24.0(29.0)	(73.0)
CDB78D83	0.10±20%	CDB78D83NP-R10MC	0.14(0.13)	104(123)	—	86.0(101)	(90.0)
	0.15±20%	CDB78D83NP-R15MC	0.14(0.13)	64.0(75.0)	—	54.0(64.0)	(90.0)
	0.25±20%	CDB78D83NP-R25MC	0.14(0.13)	34.0(40.0)	—	30.0(36.0)	(90.0)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 20%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*C Ta=20°C
*A Isat（直流重畳電流）: インダクタンスが初期値から20%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)
*C Ta=20℃

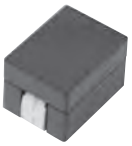
Weight (Ref.) / 重量(参考値)

CDB76D74	2.57g
CDB78D60	2.0g
CDB78D68	2.5g
CDB78D73B	2.4g
CDB78D78	3.36g
CDB78D78C	2.95g
CDB78D83	3.18g

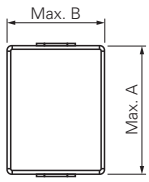
Packing Quantity / 梱包数量

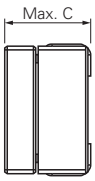
CDB76D74	500pcs/reel
CDB78D60	500pcs/reel
CDB78D68	500pcs/reel
CDB78D73B	500pcs/reel
CDB78D78	500pcs/reel
CDB78D78C	500pcs/reel
CDB78D83	400pcs/reel

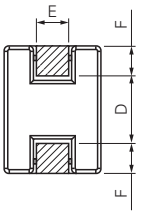
CDB8*D**



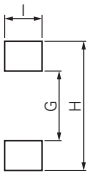
DIMENSIONS (mm) 外形寸法図







LAND PATTERN (mm) 推奨ランド寸法



WIRE 線種

CONSTRUCTION 磁気構造図

Type Name	A (mm)	B(mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
CDB80D62	22.2	8.2	6.6	16.0	3.0	3.0	15.6	22.6	3.3
CDB80D92	12.8	8.3	9.4	8.7	3.7	1.85	8.6	13.0	4.0
CDB87D48	12.0	9.0	5.0*1	6.7	2.6	2.5	6.3	12.4	3.0
CDB87D78	12.0	9.0	8.0	7.4	3.15	2.1	6.9	12.1	3.5
CDB87D10	12.0	9.0	11.0*2	6.5	3.6	2.5	6.0	12.0	4.0

*1

Inductance \ Dimension	C (mm)
0.10μH～0.12μH	5.0 $^{+0.2}_{-0.3}$
0.15μH～0.23μH	4.8 $^{+0.2}_{-0.3}$

*2

Inductance \ Dimension	C (mm)
0.10μH～0.12μH	Max 11.2
0.15μH～0.30μH	Max 11.0

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Type Name	L (μH)	Part No.	D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 100°C	Isat (A)*A Max.(Typ.) at 125°C	Irms (A)*B (Typ.)
CDB80D62	0.23±20%	CDB80D62NP-R23MC	0.54(0.47)	76.0(90.0)	63.0(75.0)	59.0(70.0)	(55.0)
CDB80D92	0.12±20%	CDB80D92NP-R12MC	0.18(0.16)	81.0(95.0)	75.0(88.0)	—	(71.0)
	0.15±20%	CDB80D92NP-R15MC	0.18(0.16)	70.0(82.0)	57.0(67.0)	—	(71.0)
	0.22±20%	CDB80D92NP-R22MC	0.18(0.16)	46.0(54.0)	38.0(45.0)	—	(71.0)
	0.30±20%	CDB80D92NP-R30MC	0.18(0.16)	33.0(39.0)	28.0(33.0)	—	(71.0)
CDB87D48	0.10±20%	CDB87D48NP-R10MC	0.25(0.23)	78.0(92.0)	67.0(79.0)	63.0(74.0)	(65.0)
	0.12±20%	CDB87D48NP-R12MC	0.25(0.23)	65.0(76.0)	55.0(65.0)	51.0(60.0)	(65.0)
	0.15±20%	CDB87D48NP-R15MC	0.25(0.23)	52.0(61.0)	45.0(53.0)	41.0(48.0)	(65.0)
	0.23±20%	CDB87D48NP-R23MC	0.25(0.23)	32.0(38.0)	27.0(32.0)	25.0(30.0)	(65.0)
CDB87D78	0.15±20%	CDB87D78NP-R15MC	0.20(0.19)	81.0(95.0)	74.0(87.0)	69.0(81.0)	(72.0)
CDB87D10	0.10±20%	CDB87D10NP-R10MC	0.20(0.19)	120(120)	120(120)	106(120)	(72.0)
	0.12±20%	CDB87D10NP-R12MC	0.20(0.19)	115(120)	103(120)	97.0(115)	(72.0)
	0.15±20%	CDB87D10NP-R15MC	0.20(0.19)	99.0(117)	89.0(105)	79.0(93.0)	(72.0)
	0.23±20%	CDB87D10NP-R23MC	0.20(0.19)	63.0(74.0)	54.0(64.0)	51.0(60.0)	(72.0)
	0.30±20%	CDB87D10NP-R30MC	0.20(0.19)	45.0(53.0)	39.0(46.0)	35.0(42.0)	(72.0)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 20%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から20%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

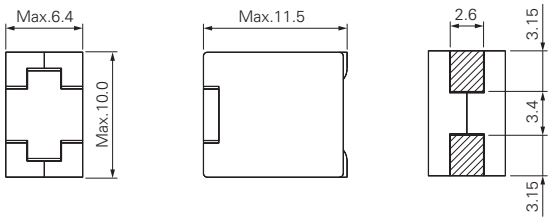
CDB80D62	4.99g
CDB80D92	3.3g
CDB87D48	2.24g
CDB87D78	3.7g
CDB87D10	5.3g

Packing Quantity / 梱包数量

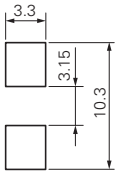
CDB80D62	500pcs/reel
CDB80D92	400pcs/reel
CDB87D48	500pcs/reel
CDB87D78	500pcs/reel
CDB87D10	300pcs/reel

CDEPH6211

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

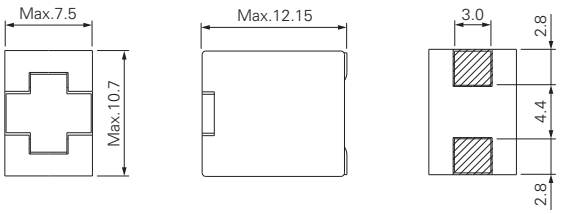
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

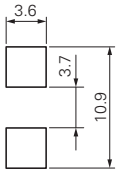
Part No.	L (μH)	CDEPH6211				
		D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A (Typ.) at 25°C	at 75°C	at 100°C	Irms (A)*B (Typ.)
CDEPH6211NP-R10LC	0.10±15%	0.13(0.125)	(115)	(115)	(110)	(85.0)
CDEPH6211NP-R12LC	0.12±15%	0.13(0.125)	(112)	(100)	(92.0)	(85.0)
CDEPH6211NP-R15LC	0.15±15%	0.13(0.125)	(92.0)	(82.0)	(75.0)	(85.0)
CDEPH6211NP-R32LC	0.32±15%	0.13(0.125)	(40.0)	(36.0)	(34.0)	(85.0)

CDEPH7212

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CDEPH7212					
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 25°C	at 85°C	at 100°C	at 125°C	Irms (A)*B (Typ.)
CDEPH7212NP-R13LC	0.13±15%	0.17(0.15)	115(125)	102(120)	96.0(113)	86.0(102)	(75.0)
CDEPH7212NP-R15LC	0.15±15%	0.17(0.15)	102(120)	85.0(100)	79.0(93.0)	72.0(85.0)	(75.0)
CDEPH7212NP-R18LC	0.18±15%	0.17(0.15)	80.0(95.0)	72.0(85.0)	66.0(78.0)	63.0(75.0)	(75.0)
CDEPH7212NP-R20LC	0.20±15%	0.17(0.15)	76.0(90.0)	68.0(80.0)	62.0(73.0)	57.0(67.0)	(75.0)
CDEPH7212NP-R22LC	0.22±15%	0.17(0.15)	69.0(82.0)	59.0(70.0)	55.0(65.0)	51.0(60.0)	(75.0)
CDEPH7212NP-R28LC	0.28±15%	0.17(0.15)	53.0(63.0)	45.0(53.0)	42.0(50.0)	38.0(45.0)	(75.0)
CDEPH7212NP-R47LC	0.47±15%	0.17(0.15)	28.0(34.0)	26.0(31.0)	24.0(29.0)	22.0(26.0)	(75.0)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 20%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から20%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

CDEPH6211 3.27g
CDEPH7212 4.4g

Packing Quantity / 梱包数量

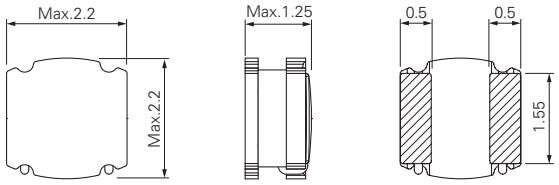
CDEPH6211 250pcs/reel
CDEPH7212 250pcs/reel

SMD Resin-Shielded Type
（マイルド閉磁インダクタ）

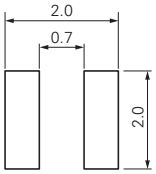
OUTLINE / 概要
Small, low profile SMD power inductor.
Cost competitive drum core construction shielded in Magnetic Epoxy Resin.
小型･低背のSMDパワーインダクタ。フェライト樹脂材料を用いたマイルド閉磁構造の廉価タイプシンプル構造。

CD20D11MB

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

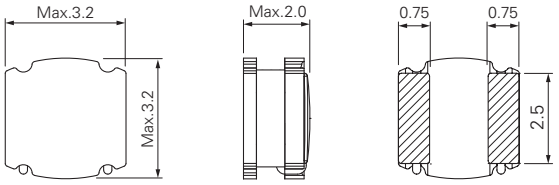
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

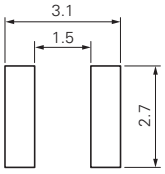
Part No.	L (μH)	CD20D11MB D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 25°C	Irms (A)*B (Typ.)
CD20D11MBNP-R12NC	0.12±30%	22.1(17.0)	6.30(7.90)	(4.10)
CD20D11MBNP-R22NC	0.22±30%	29.9(23.0)	4.60(5.80)	(3.40)
CD20D11MBNP-R33NC	0.33±30%	37.7(29.0)	3.70(4.60)	(2.80)
CD20D11MBNP-R47NC	0.47±30%	44.2(34.0)	3.50(4.40)	(2.60)
CD20D11MBNP-R68NC	0.68±30%	61.1(47.0)	2.70(3.40)	(2.40)
CD20D11MBNP-1R0NC	1.0±30%	109(84.0)	2.20(2.80)	(1.90)
CD20D11MBNP-1R5NC	1.5±30%	147(113)	1.80(2.30)	(1.50)
CD20D11MBNP-2R2NC	2.2±30%	218(168)	1.60(2.00)	(1.30)
CD20D11MBNP-3R3MC	3.3±20%	329(253)	1.20(1.50)	(1.00)
CD20D11MBNP-4R7MC	4.7±20%	502(386)	1.00(1.30)	(0.78)
CD20D11MBNP-6R8MC	6.8±20%	663(510)	0.90(1.10)	(0.67)
CD20D11MBNP-100MC	10±20%	1,027(790)	0.70(0.88)	(0.57)

CD30D18MB

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (μH)	CD30D18MB D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 25°C	Irms (A)*B (Typ.)
CD30D18MBNP-2R2NC	2.2±30%	79.3(61.0)	2.40(3.00)	(2.60)
CD30D18MBNP-4R7MC	4.7±20%	160(123)	1.50(1.90)	(1.80)
CD30D18MBNP-100MC	10±20%	267(205)	1.10(1.30)	(1.20)

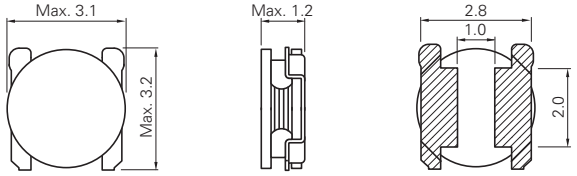
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CD20D11MB 0.02g
CD30D18MB 0.07g

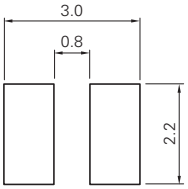
Packing Quantity / 梱包数量
CD20D11MB 3,000pcs/reel
CD30D18MB 2,500pcs/reel

CDH30D11D/MB

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

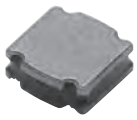
●

CONSTRUCTION
磁気構造図

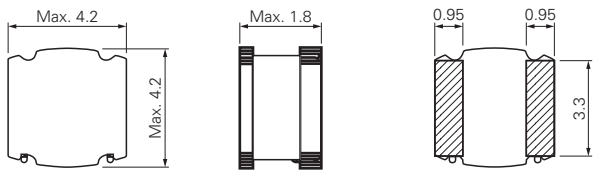
Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDH30D11D/MB D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
CDH30D11DMBHF-1R0NC	1.0±30%	56.3(45.0)	1.96(2.30)	(2.40)
CDH30D11DMBHF-1R5NC	1.5±30%	66.3(53.0)	1.63(1.95)	(2.20)
CDH30D11DMBHF-2R2MC	2.2±20%	85.0(68.0)	1.40(1.65)	(1.95)
CDH30D11DMBHF-3R3MC	3.3±20%	119(95.0)	1.15(1.35)	(1.70)
CDH30D11DMBHF-4R7MC	4.7±20%	204(170)	0.96(1.13)	(1.27)
CDH30D11DMBHF-6R8MC	6.8±20%	270(225)	0.79(0.95)	(1.06)
CDH30D11DMBHF-100MC	10±20%	432(360)	0.66(0.78)	(0.80)
CDH30D11DMBHF-150MC	15±20%	672(560)	0.53(0.62)	(0.67)

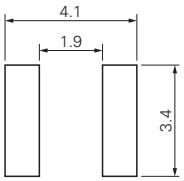
CD40D16MB



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

●

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

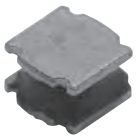
Part No.	L (μH)	CD40D16MB D.C.R.(mΩ) Max. (Typ.) at 25°C	Isat (A)*A Max.(Typ.) at 25°C	Irms (A)*B (Typ.)
CD40D16MBNP-R15NC	0.15±30%	12.2(9.40)	8.00(10.0)	(6.40)
CD40D16MBNP-R33NC	0.33±30%	16.9(13.0)	5.30(6.70)	(5.40)
CD40D16MBNP-R56NC	0.56±30%	22.1(17.0)	4.00(5.00)	(4.40)
CD40D16MBNP-1R0NC	1.0±30%	31.2(24.0)	3.10(3.90)	(4.00)
CD40D16MBNP-1R5NC	1.5±30%	40.3(31.0)	2.70(3.40)	(3.40)
CD40D16MBNP-2R2MC	2.2±20%	52.0(40.0)	2.10(2.07)	(3.00)
CD40D16MBNP-3R3MC	3.3±20%	68.9(53.0)	1.80(2.30)	(2.70)
CD40D16MBNP-4R7MC	4.7±20%	91.0(70.0)	1.50(1.90)	(2.30)
CD40D16MBNP-6R8MC	6.8±20%	135(104)	1.20(1.60)	(1.90)
CD40D16MBNP-100MC	10±20%	182(140)	1.00(1.30)	(1.60)
CD40D16MBNP-150MC	15±20%	282(217)	0.84(1.10)	(1.30)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

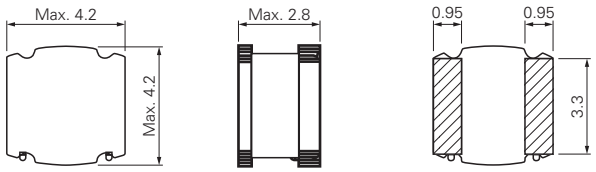
Weight (Ref.) / 重量(参考値)
CDH30D11D/MB 0.04g
CD40D16MB 0.11g

Packing Quantity / 梱包数量
CDH30D11D/MB 4,000pcs/reel
CD40D16MB 3,000pcs/reel

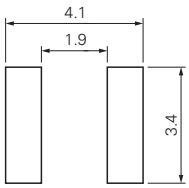
CD40D26MB



DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

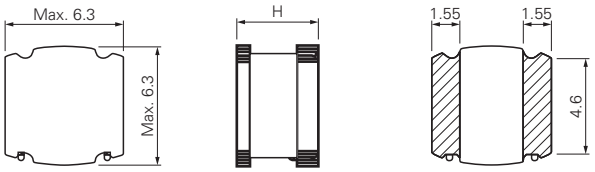
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃〜+125℃

Part No.	L (μH)	CD40D26MB D.C.R.(mΩ) Max. (Typ.) at 25°C	CD40D26MB Isat (A)*A Max.(Typ.) at 25°C	CD40D26MB Irms (A)*C (Typ.)
CD40D26MBNP-R20NC	0.20±30%	12.0(9.20)	11.5(14.4)	(7.40)
CD40D26MBNP-R33NC	0.33±30%	15.6(12.0)	9.20(11.6)	(5.80)
CD40D26MBNP-R56NC	0.56±30%	19.5(15.0)	7.50(9.40)	(5.20)
CD40D26MBNP-R80NC	0.80±30%	23.4(18.0)	6.90(8.70)	(5.00)
CD40D26MBNP-1R0NC	1.0±30%	27.3(21.0)	5.70(7.20)	(4.40)
CD40D26MBNP-1R5MC	1.5±20%	31.2(24.0)	5.00(6.30)	(4.30)
CD40D26MBNP-2R2MC	2.2±20%	39.0(30.0)	4.20(5.30)	(3.80)
CD40D26MBNP-3R3MC	3.3±20%	59.8(46.0)	3.40(4.30)	(2.80)
CD40D26MBNP-4R7MC	4.7±20%	76.7(59.0)	2.80(3.50)	(2.60)
CD40D26MBNP-6R8MC	6.8±20%	104(80.0)	2.40(2.90)	(2.20)
CD40D26MBNP-100MC	10±20%	152(117)	2.00(2.50)	(1.90)
CD40D26MBNP-150MC	15±20%	257(198)	1.60(1.90)	(1.30)
CD40D26MBNP-220MC	22±20%	339(261)	1.30(1.70)	(1.20)
CD40D26MBNP-330MC	33±20%	508(391)	1.10(1.40)	(0.95)

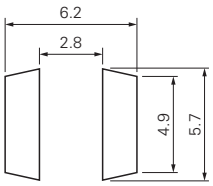
CD60D28MB

DIMENSIONS (mm)
外形寸法図



H : 0.8〜22μH Max 3.1mm / 33〜120μH Max 3.0mm

LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃〜+105℃

Part No.	L (μH)	CD60D28MB D.C.R.(mΩ) Max. (Typ.) at 25°C	CD60D28MB Isat (A)*B Max.(Typ.) at 25°C	CD60D28MB Irms (A)*C (Typ.)
CD60D28MBHF-R80NC	0.8±30%	15.6(12.0)	8.60(10.8)	(6.60)
CD60D28MBHF-1R2NC	1.2±30%	19.5(15.0)	7.20(9.00)	(5.70)
CD60D28MBHF-2R2NC	2.2±30%	29.9(23.0)	5.80(7.30)	(5.00)
CD60D28MBHF-3R3NC	3.3±30%	33.8(26.0)	4.60(5.80)	(4.30)
CD60D28MBHF-4R7NC	4.7±30%	42.9(33.0)	4.00(5.00)	(3.80)
CD60D28MBHF-6R8NC	6.8±30%	62.4(48.0)	3.40(4.20)	(3.10)
CD60D28MBHF-100MC	10±20%	91.0(70.0)	2.60(3.20)	(2.50)
CD60D28MBHF-150MC	15±20%	143(110)	2.20(2.70)	(2.10)
CD60D28MBHF-220MC	22±20%	195(150)	1.70(2.20)	(1.70)
CD60D28MBHF-330MC	33±20%	286(220)	1.40(1.80)	(1.40)
CD60D28MBHF-470MC	47±20%	377(290)	1.30(1.60)	(1.20)
CD60D28MBHF-680MC	68±20%	538(414)	1.00(1.30)	(1.10)
CD60D28MBHF-101MC	100±20%	753(579)	0.88(1.10)	(0.93)
CD60D28MBHF-121MC	120±20%	962(740)	0.72(0.90)	(0.82)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から30%低下する直流電流値。
*B Isat（直流重畳電流）: インダクタンスが初期値から35%低下する直流電流値。
*C Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CD40D26MB 0.15g
CD60D28MB 0.4g

Packing Quantity / 梱包数量
CD40D26MB 2,500pcs/reel
CD60D28MB 2,000pcs/reel

SMD Non-Shielded Type

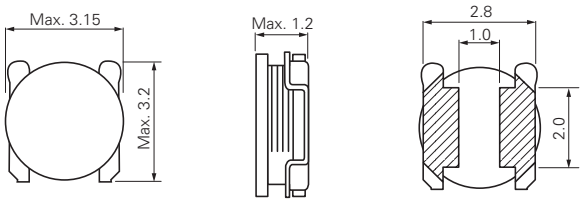
CDH**D**(/**) Standard Series (開磁インダクタ)

OUTLINE / 概要

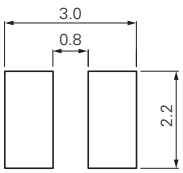
This is low profile type of power inductor for portable equipment.
It is suitable for a DC/DC converter power supply with height restrictions.
携帯機器向け低背型インダクタです。
DC-DC電源用で高さ制限がある時に有効です。

CDH30D11D

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

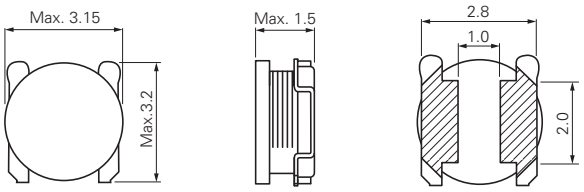
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

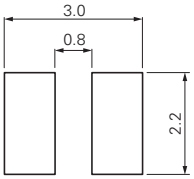
Part No.	L (μH)	CDH30D11D D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 100°C	Irms (A)*B (Typ.)
CDH30D11DNP-1R0NC	1.0±30%	53.8(43.0)	1.89(2.60)	1.54(2.10)	(2.35)
CDH30D11DNP-1R5NC	1.5±30%	73.8(59.0)	1.60(2.14)	1.31(1.72)	(1.91)
CDH30D11DNP-2R2MC	2.2±20%	109(87.0)	1.30(1.75)	1.08(1.42)	(1.70)
CDH30D11DNP-3R3MC	3.3±20%	146(122)	1.03(1.40)	0.86(1.13)	(1.24)
CDH30D11DNP-4R7MC	4.7±20%	218(182)	0.88(1.17)	0.70(0.93)	(1.05)
CDH30D11DNP-6R8MC	6.8±20%	305(254)	0.72(0.96)	0.58(0.78)	(0.90)
CDH30D11DNP-100MC	10±20%	528(440)	0.60(0.80)	0.49(0.65)	(0.62)
CDH30D11DNP-150MC	15±20%	798(665)	0.46(0.61)	0.39(0.52)	(0.52)
CDH30D11DNP-220MC	22±20%	1,030(858)	0.40(0.53)	0.32(0.43)	(0.42)

CDH30D14D/SHP

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDH30D14D/SHP D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 100°C	Irms (A)*B (Typ.)
CDH30D14DSHPHF-R68NC	0.68±30%	43.8(35.0)	3.60(4.45)	2.84(3.55)	(2.80)
CDH30D14DSHPHF-1R0NC	1.0±30%	62.5(50.0)	2.92(3.65)	2.32(2.90)	(2.20)
CDH30D14DSHPHF-1R5NC	1.5±30%	93.8(75.0)	2.44(3.05)	2.00(2.50)	(1.80)
CDH30D14DSHPHF-2R2NC	2.2±30%	132(110)	2.00(2.50)	1.64(2.02)	(1.40)
CDH30D14DSHPHF-3R3MC	3.3±20%	186(155)	1.64(2.10)	1.36(1.70)	(1.22)
CDH30D14DSHPHF-4R7MC	4.7±20%	306(255)	1.33(1.70)	1.06(1.33)	(0.91)
CDH30D14DSHPHF-6R8MC	6.8±20%	480(400)	1.14(1.43)	0.90(1.13)	(0.70)
CDH30D14DSHPHF-100MC	10±20%	744(620)	0.91(1.13)	0.72(0.90)	(0.56)

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から30%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

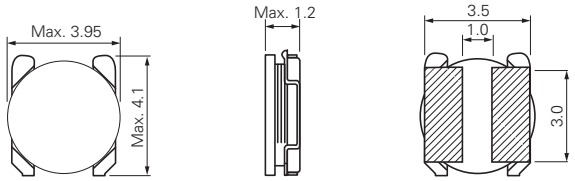
CDH30D11D	0.03g
CDH30D14D/SHP	0.04g

Packing Quantity / 梱包数量

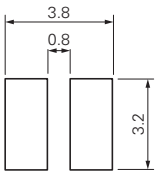
CDH30D11D	4,000pcs/reel
CDH30D14D/SHP	4,000pcs/reel

CDH38D11D/LD

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

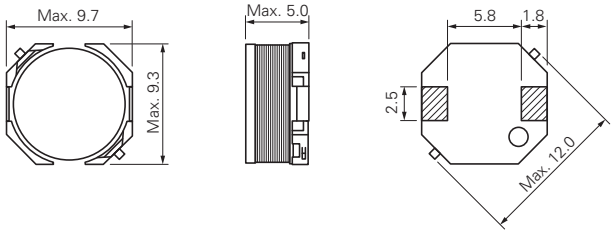
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃〜+105℃

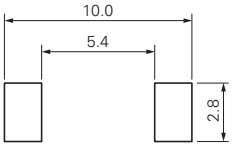
Part No.	L (μH)	CDH38D11D/LD D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*C (Typ.)
CDH38D11DLDNP-1R1MC	1.1±20%	61.3(49.0)	2.00(2.50)	(2.15)
CDH38D11DLDNP-1R5MC	1.5±20%	72.5(58.0)	1.75(2.20)	(2.10)
CDH38D11DLDNP-2R4MC	2.4±20%	96.3(77.0)	1.40(1.80)	(1.75)
CDH38D11DLDNP-3R3MC	3.3±20%	124(99.0)	1.20(1.55)	(1.50)
CDH38D11DLDNP-4R7MC	4.7±20%	163(136)	1.00(1.30)	(1.30)
CDH38D11DLDNP-6R8MC	6.8±20%	244(203)	0.85(1.08)	(1.08)
CDH38D11DLDNP-100MC	10±20%	372(310)	0.70(0.90)	(0.88)
CDH38D11DLDNP-150MC	15±20%	552(460)	0.56(0.72)	(0.65)
CDH38D11DLDNP-220MC	22±20%	828(690)	0.47(0.60)	(0.56)

CDC90D48

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃〜+105℃

Part No.	L (mH)	CDC90D48 D.C.R.(Ω) Max. (Typ.)	Isat (mA)*B Max.(Typ.) at 20°C	Irms (mA)*C (Typ.)
CDC90D48NP-103MC	10±20%	38.2(31.8)	120(150)	(78.0)
CDC90D48NP-123MC	12±20%	52.1(43.3)	104(128)	(68.0)
CDC90D48NP-153MC	15±20%	62.0(51.6)	97.0(121)	(59.0)
CDC90D48NP-183MC	18±20%	86.1(71.6)	86.0(107)	(42.0)
CDC90D48NP-223MC	22±20%	99.4(82.8)	56.0(70.0)	(31.0)

Other / その他
- *A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
- *B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
- *C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
- *A Isat (直流重畳電流) : インダクタンスが初期値から30%低下する直流電流値。
- *B Isat (直流重畳電流) : インダクタンスが初期値から10%低下する直流電流値。
- *C Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
- CDH38D11D/LD 0.06g
- CDC90D48 1.1g

Packing Quantity / 梱包数量
- CDH38D11D/LD 4,000pcs/reel
- CDC90D48 500pcs/reel

DC/DC converter inductors & output filter chokes for LED lighting

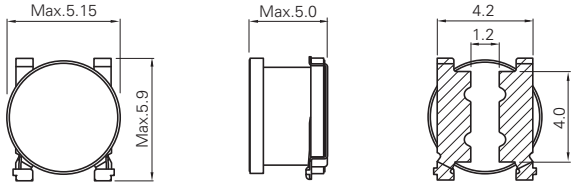
OUTLINE / 概要

Operational Ambient Temperature : - 40°C ～ +105°C (including self-heating)
LED drive power inductors are applicable for input AC100V high withstand voltage needs & other inductors for high L values chokes used in output filter needs standardized with small footprint, low profile and cost-competitive feature.

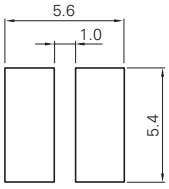
使用温度範囲:−40℃ ～ +105℃(コイル自己発熱含む)
入力AC100Vに対応した耐電圧LED駆動用電源インダクタ、及び各種LED電球の電流値ニーズに対応した出力平滑用ハイL値インダクタを小型、低背、廉価でシリーズ化しました。

CDH50D48

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

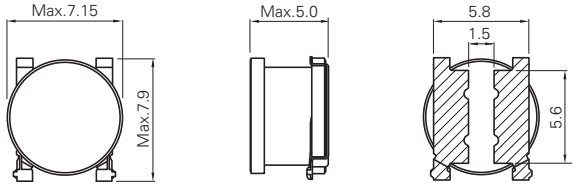
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

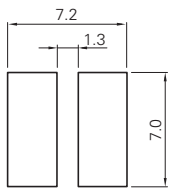
Part No.	L (μH)	CDH50D48			
		D.C.R.(Ω) Max. (Typ.)	Isat (mA)*A Max.(Typ.) at 20°C	Isat (mA)*A Max.(Typ.) at 105°C	Irms (A)*B (Typ.)
CDH50D48NP-101KC	100±10%	0.54(0.43)	600(670)	480(540)	(0.65)
CDH50D48NP-151KC	150±10%	0.88(0.70)	490(544)	400(443)	(0.50)
CDH50D48NP-221KC	220±10%	1.13(0.90)	410(455)	330(367)	(0.45)
CDH50D48NP-331KC	330±10%	1.88(1.57)	330(362)	270(300)	(0.33)
CDH50D48NP-471KC	470±10%	2.59(2.16)	275(305)	225(250)	(0.27)
CDH50D48NP-681KC	680±10%	3.84(3.20)	240(265)	190(210)	(0.23)
CDH50D48NP-102KC	1000±10%	6.72(5.60)	190(215)	150(168)	(0.165)
CDH50D48NP-152KC	1500±10%	10.6(8.82)	155(174)	120(135)	(0.135)
CDH50D48NP-222KC	2200±10%	16.0(13.3)	130(143)	100(112)	(0.105)
CDH50D48NP-332KC	3300±10%	26.6(22.2)	105(118)	80.0(90.0)	(0.08)
CDH50D48NP-472KC	4700±10%	33.8(28.2)	90.0(100)	65.0(74.0)	(0.075)

CDH70D48

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	CDH70D48			
		D.C.R.(Ω) Max. (Typ.)	Isat (mA)*A Max.(Typ.) at 20°C	Isat (mA)*A Max.(Typ.) at 105°C	Irms (A)*B (Typ.)
CDH70D48NP-101KC	100±10%	0.38(0.30)	860(947)	710(784)	(0.91)
CDH70D48NP-151KC	150±10%	0.54(0.43)	700(776)	580(642)	(0.74)
CDH70D48NP-221KC	220±10%	0.83(0.66)	550(612)	450(505)	(0.58)
CDH70D48NP-331KC	330±10%	1.18(0.94)	470(518)	390(429)	(0.50)
CDH70D48NP-471KC	470±10%	1.63(1.36)	370(414)	310(344)	(0.40)
CDH70D48NP-681KC	680±10%	2.30(1.92)	310(345)	260(281)	(0.33)
CDH70D48NP-102KC	1000±10%	3.56(2.97)	250(280)	210(233)	(0.26)
CDH70D48NP-152KC	1500±10%	6.02(5.02)	210(234)	170(190)	(0.20)
CDH70D48NP-222KC	2200±10%	8.63(7.19)	175(194)	140(158)	(0.165)
CDH70D48NP-332KC	3300±10%	13.6(11.3)	145(162)	110(125)	(0.13)
CDH70D48NP-472KC	4700±10%	20.4(17.0)	120(135)	95.0(106)	(0.105)

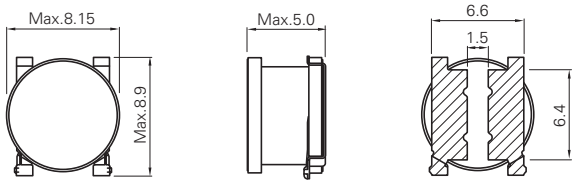
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から10%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CDH50D48 0.4g
CDH70D48 0.8g

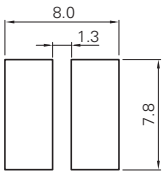
Packing Quantity / 梱包数量
CDH50D48 1,500pcs/reel
CDH70D48 1,000pcs/reel

CDH80D48

DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



WIRE
線種

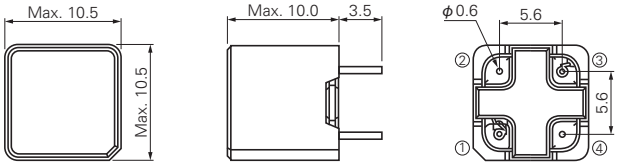
CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+105℃

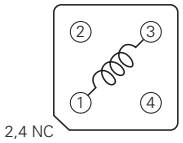
Part No.	L (μH)	CDH80D48			
		D.C.R.(Ω) Max. (Typ.)	Isat (mA)*A Max.(Typ.)		Irms (A)*C (Typ.)
			at 20°C	at 105°C	
CDH80D48NP-101KC	100±10%	0.33(0.26)	1,020(1,132)	840(928)	(1.03)
CDH80D48NP-151KC	150±10%	0.48(0.38)	830(918)	690(760)	(0.83)
CDH80D48NP-221KC	220±10%	0.75(0.60)	680(744)	560(621)	(0.65)
CDH80D48NP-331KC	330±10%	1.00(0.80)	580(645)	480(535)	(0.57)
CDH80D48NP-471KC	470±10%	1.42(1.18)	470(524)	390(435)	(0.45)
CDH80D48NP-681KC	680±10%	2.06(1.72)	390(429)	330(358)	(0.37)
CDH80D48NP-102KC	1000±10%	2.94(2.45)	320(356)	270(296)	(0.31)
CDH80D48NP-152KC	1500±10%	4.69(3.91)	260(290)	220(244)	(0.25)
CDH80D48NP-222KC	2200±10%	6.54(5.45)	220(245)	180(200)	(0.21)
CDH80D48NP-332KC	3300±10%	11.2(9.32)	180(200)	145(162)	(0.16)
CDH80D48NP-472KC	4700±10%	17.2(14.3)	155(170)	120(135)	(0.13)

RPT109

DIMENSIONS (mm)
外形寸法図



CONNECTION
端子接続



2,4 NC

BOTTOM VIEW
裏面図

WIRE
線種

CONSTRUCTION
磁気構造図

Operating Temperature Range
使用温度範囲:−40℃～+125℃

Part No.	L (mH)	RPT109			
		D.C.R.(Ω) Max. (Typ.) at 20°C	Isat (A)*B Max.(Typ.)		Irms (A)*C (Typ.)
			at 20°C	at 105°C	
RPT109NP-561MB	0.56±20%	2.63(2.10)	0.56(0.74)	0.45(0.60)	(0.36)
RPT109NP-102MB	1.0±20%	4.63(3.70)	0.42(0.56)	0.35(0.46)	(0.27)
RPT109NP-152MB	1.5±20%	7.63(6.10)	0.34(0.45)	0.28(0.37)	(0.21)
RPT109NP-202MB	2.0±20%	12.5(10.0)	0.30(0.40)	0.245(0.32)	(0.16)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から10%低下する直流電流値。
*B Isat（直流重畳電流）：インダクタンスが初期値から30%低下する直流電流値。
*C Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

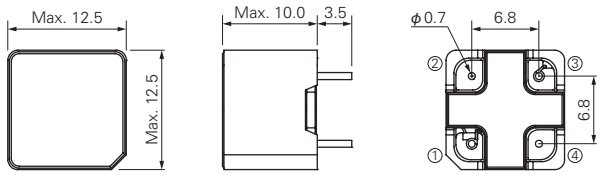
Weight (Ref.) / 重量(参考値)
CDH80D48 1.0g
RPT109 3.04g

Packing Quantity / 梱包数量
CDH80D48 500pcs/reel
RPT109 100pcs/pallet

RPT129

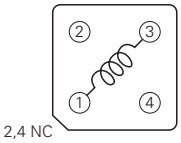
Operating Temperature Range
使用温度範囲:−40℃～+125℃

DIMENSIONS (mm)
外形寸法図



Part No.	L (mH)	RPT129			
		D.C.R.(Ω) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.)		Irms (A)*B (Typ.)
			at 20°C	at 105°C	
RPT129NP-221MB	0.22±20%	0.88(0.70)	1.25(1.65)	1.05(1.40)	(0.70)
RPT129NP-331MB	0.33±20%	1.25(1.00)	1.10(1.45)	0.90(1.20)	(0.60)
RPT129NP-561MB	0.56±20%	2.38(1.90)	0.82(1.10)	0.68(0.91)	(0.41)
RPT129NP-681MB	0.68±20%	3.00(2.40)	0.79(1.05)	0.61(0.81)	(0.36)
RPT129NP-861MB	0.86±20%	3.25(2.60)	0.71(0.95)	0.57(0.76)	(0.33)
RPT129NP-102MB	1.0±20%	4.00(3.20)	0.61(0.81)	0.51(0.58)	(0.32)
RPT129NP-152MB	1.5±20%	6.25(5.00)	0.50(0.67)	0.41(0.55)	(0.25)
RPT129NP-202MB	2.0±20%	9.75(7.80)	0.44(0.59)	0.36(0.48)	(0.19)

CONNECTION
端子接続



BOTTOM VIEW
裏面図

WIRE
線種

CONSTRUCTION
磁気構造図

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 30%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から30%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
RPT129 4.3g

Packing Quantity / 梱包数量
RPT129 80pcs/pallet

Shielded PIN Type

(閉磁ピンタイプインダクタ)

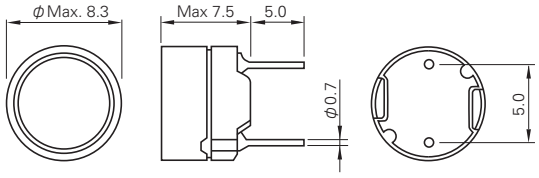
OUTLINE / 概要

They are small size φ8, φ10, φ13, φ16mm series high power inductors which are used for switching power supply with high reliability, high efficiency and saturation.

小型ハイパワーインダクタとして強入力特性に優れた φ8、φ10、φ13、φ16mm シリーズを揃えております。

RCR-875D

DIMENSIONS (mm) 外形寸法図



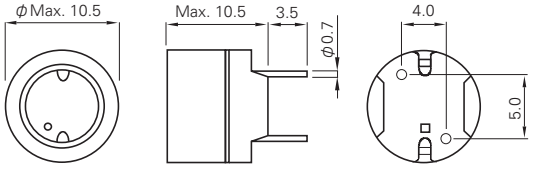
WIRE 線種

Operating Temperature Range
使用温度範囲:−40℃〜+85℃

Part No.	L (μH)	RCR-875D D.C.R.(mΩ) Max.	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*C (Typ.)
RCR875DNP-1R2L	1.2±15%	18.0	6.56(8.20)	(5.20)
RCR875DNP-1R7L	1.7±15%	22.0	5.52(6.90)	(5.00)
RCR875DNP-2R3L	2.3±15%	25.0	4.68(5.86)	(4.60)
RCR875DNP-3R0L	3.0±15%	28.0	4.08(5.10)	(4.20)
RCR875DNP-3R9L	3.9±15%	31.0	3.68(4.60)	(4.10)
RCR875DNP-4R7L	4.7±15%	35.0	3.20(4.00)	(3.80)
RCR875DNP-5R6L	5.6±15%	39.0	3.04(3.80)	(3.60)
RCR875DNP-7R0L	7.0±15%	43.0	2.68(3.36)	(3.37)
RCR875DNP-8R2L	8.2±15%	47.0	2.48(3.10)	(3.20)
RCR875DNP-100L	10±15%	50.0	2.24(2.80)	(3.10)
RCR875DNP-120L	12±15%	54.0	2.08(2.60)	(2.90)
RCR875DNP-150L	15±15%	62.0	1.80(2.25)	(2.70)
RCR875DNP-180L	18±15%	71.0	1.68(2.10)	(2.60)
RCR875DNP-220L	22±15%	80.0	1.52(1.90)	(2.40)
RCR875DNP-270L	27±15%	100	1.36(1.70)	(2.25)
RCR875DNP-330L	33±15%	140	1.24(1.55)	(1.88)
RCR875DNP-390L	39±15%	150	1.14(1.43)	(1.75)
RCR875DNP-470L	47±15%	170	1.04(1.30)	(1.70)
RCR875DNP-560K	56±10%	190	0.96(1.20)	(1.50)
RCR875DNP-680K	68±10%	210	0.85(1.07)	(1.40)
RCR875DNP-820K	82±10%	270	0.78(0.98)	(1.25)
RCR875DNP-101K	100±10%	320	0.70(0.88)	(1.13)
RCR875DNP-121K	120±10%	360	0.65(0.81)	(1.08)
RCR875DNP-151K	150±10%	510	0.58(0.73)	(0.90)
RCR875DNP-181K	180±10%	570	0.53(0.66)	(0.90)
RCR875DNP-221K	220±10%	760	0.48(0.60)	(0.73)
RCR875DNP-271K	270±10%	860	0.42(0.52)	(0.70)
RCR875DNP-331K	330±10%	970	0.39(0.49)	(0.65)
RCR875DNP-391K	390±10%	1,280	0.36(0.45)	(0.55)
RCR875DNP-471K	470±10%	1,440	0.33(0.41)	(0.53)
RCR875DNP-561K	560±10%	1,610	0.30(0.37)	(0.51)
RCR875DNP-681K	680±10%	2,070	0.27(0.34)	(0.43)
RCR875DNP-821K	820±10%	2,330	0.25(0.31)	(0.39)
RCR875DNP-102K	1000±10%	2,720	0.22(0.28)	(0.37)
RCR875DNP-122K	1200±10%	3,980	0.21(0.26)	(0.32)
RCR875DNP-152K	1500±10%	4,500	0.18(0.23)	(0.31)
RCR875DNP-182K	1800±10%	6,810	0.17(0.21)	(0.24)
RCR875DNP-222K	2200±10%	7,560	0.14(0.18)	(0.23)
RCR875DNP-272K	2700±10%	8,540	0.13(0.17)	(0.21)
RCR875DNP-332K	3300±10%	9,740	0.12(0.15)	(0.20)
RCR875DNP-392K	3900±10%	12,900	0.11(0.14)	(0.18)
RCR875DNP-472K	4700±10%	14,700	0.10(0.13)	(0.175)
RCR875DNP-562K	5600±10%	20,400	0.10(0.12)	(0.15)
RCR875DNP-682K	6800±10%	23,000	0.09(0.11)	(0.145)
RCR875DNP-822K	8200±10%	30,600	0.08(0.10)	(0.135)
RCR875DNP-103K	10000±10%	35,000	0.07(0.09)	(0.12)

RCR1010

DIMENSIONS (mm) 外形寸法図



WIRE 線種

Operating Temperature Range
使用温度範囲:−40℃〜+105℃

Part No.	L (μH)	RCR1010 D.C.R.(mΩ) Max. (Typ.)	Isat (A)*B Max.(Typ.) at 20°C	Isat (A)*B Max.(Typ.) at 105°C	Irms (A)*C (Typ.)
RCR1010NP-100M	10±20%	25.1(20.1)	4.80(6.00)	3.80(4.80)	(4.30)
RCR1010NP-120M	12±20%	26.6(21.3)	4.50(5.50)	3.50(4.30)	(4.20)
RCR1010NP-150M	15±20%	31.3(25.1)	4.00(5.00)	3.20(3.90)	(4.10)
RCR1010NP-180M	18±20%	33.8(27.1)	3.80(4.60)	2.90(3.50)	(4.00)
RCR1010NP-220M	22±20%	38.3(30.6)	3.40(4.20)	2.60(3.20)	(3.80)
RCR1010NP-270M	27±20%	40.9(32.7)	3.00(3.80)	2.50(3.00)	(3.60)
RCR1010NP-330M	33±20%	53.8(43.1)	2.70(3.30)	2.20(2.65)	(3.20)
RCR1010NP-390M	39±20%	73.4(58.7)	2.50(3.00)	2.00(2.45)	(2.50)
RCR1010NP-470M	47±20%	102(81.7)	2.20(2.70)	1.80(2.15)	(2.20)
RCR1010NP-560M	56±20%	111(89.0)	2.10(2.50)	1.70(2.05)	(2.10)
RCR1010NP-680M	68±20%	138(110)	1.80(2.30)	1.40(1.80)	(1.90)
RCR1010NP-820M	82±20%	160(128)	1.70(2.00)	1.30(1.60)	(1.80)
RCR1010NP-101M	100±20%	175(140)	1.50(1.80)	1.20(1.45)	(1.70)
RCR1010NP-121M	120±20%	194(155)	1.40(1.70)	1.10(1.35)	(1.60)
RCR1010NP-151M	150±20%	226(181)	1.20(1.50)	1.00(1.20)	(1.50)
RCR1010NP-181M	180±20%	275(220)	1.10(1.40)	0.90(1.14)	(1.40)
RCR1010NP-221M	220±20%	313(251)	1.00(1.25)	0.80(1.05)	(1.30)
RCR1010NP-271M	270±20%	451(361)	0.95(1.15)	0.74(0.90)	(1.00)
RCR1010NP-331M	330±20%	501(401)	0.88(1.05)	0.64(0.80)	(0.98)
RCR1010NP-391M	390±20%	563(451)	0.78(0.95)	0.60(0.75)	(0.94)
RCR1010NP-471M	470±20%	749(599)	0.72(0.90)	0.58(0.70)	(0.80)
RCR1010NP-561M	560±20%	849(682)	0.68(0.80)	0.55(0.63)	(0.75)
RCR1010NP-681M	680±20%	1,202(962)	0.60(0.70)	0.48(0.56)	(0.63)
RCR1010NP-821M	820±20%	1,342(1,074)	0.57(0.65)	0.45(0.52)	(0.60)
RCR1010NP-102M	1000±20%	1,490(1,192)	0.48(0.60)	0.39(0.45)	(0.55)

Other / その他

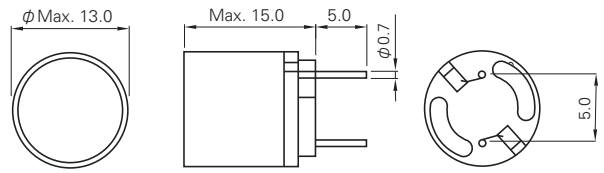
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 20%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から10%低下する直流電流値。
*B Isat (直流重畳電流) : インダクタンスが初期値から20%低下する直流電流値。
*C Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
RCR-875D 1.3g
RCR1010 3.0g

Packing Quantity / 梱包数量
RCR-875D 100pcs/box
RCR1010 100pcs/box

RP1315B

DIMENSIONS (mm)
外形寸法図



WIRE 線種	CONSTRUCTION 磁気構造図
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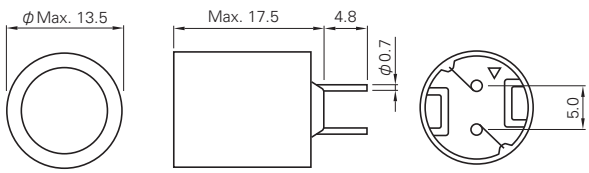
Operating Temperature Range
使用温度範囲:−40℃～+105℃

Part No.	L (μH)	RP1315B D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 105°C	Irms (A)*C (Typ.)
RP1315BNP-100M	10±20%	18.5(14.8)	8.10(10.1)	6.20(7.80)	(6.20)
RP1315BNP-120M	12±20%	19.3(15.5)	7.68(9.40)	6.00(7.40)	(5.85)
RP1315BNP-150M	15±20%	32.4(25.9)	6.52(8.10)	5.12(6.30)	(5.31)
RP1315BNP-180M	18±20%	34.4(27.5)	6.00(7.50)	4.72(5.90)	(5.00)
RP1315BNP-220M	22±20%	47.8(38.3)	5.36(6.50)	4.36(5.20)	(4.00)
RP1315BNP-270M	27±20%	60.8(48.7)	4.88(6.10)	3.79(4.65)	(3.40)
RP1315BNP-330M	33±20%	73.6(58.9)	4.20(5.20)	3.20(4.00)	(2.80)
RP1315BNP-390M	39±20%	80.1(64.1)	3.90(4.80)	3.10(3.85)	(2.70)
RP1315BNP-470M	47±20%	102(81.4)	3.76(4.70)	3.00(3.70)	(2.36)
RP1315BNP-560M	56±20%	115(92.2)	3.26(4.05)	2.61(3.25)	(2.30)
RP1315BNP-680M	68±20%	165(132)	3.00(3.65)	2.40(2.95)	(1.90)
RP1315BNP-820M	82±20%	183(146)	2.73(3.40)	2.21(2.70)	(1.81)
RP1315BNP-101M	100±20%	264(211)	2.46(3.00)	1.95(2.40)	(1.43)
RP1315BNP-121M	120±20%	293(235)	2.16(2.70)	1.80(2.15)	(1.38)
RP1315BNP-151M	150±20%	333(267)	1.97(2.45)	1.57(1.95)	(1.27)
RP1315BNP-181M	180±20%	364(292)	1.82(2.28)	1.46(1.78)	(1.25)
RP1315BNP-221M	220±20%	413(331)	1.65(2.05)	1.33(1.65)	(1.15)
RP1315BNP-331M	330±20%	580(465)	1.36(1.70)	1.06(1.33)	(0.98)
RP1315BNP-471M	470±20%	802(642)	1.13(1.40)	0.90(1.10)	(0.82)
RP1315BNP-561M	560±20%	890(712)	1.04(1.30)	0.83(1.00)	(0.80)
RP1315BNP-681M	680±20%	1,139(911)	0.95(1.20)	0.77(0.92)	(0.68)
RP1315BNP-821M	820±20%	1,300(1,040)	0.87(1.09)	0.70(0.86)	(0.66)
RP1315BNP-102M	1000±20%	1,975(1,580)	0.74(0.93)	0.61(0.72)	(0.51)

RCP1317

DIMENSIONS (mm)
外形寸法図



WIRE 線種	CONSTRUCTION 磁気構造図
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Operating Temperature Range
使用温度範囲:−40℃～+100℃

Part No.	L (μH)	RCP1317 D.C.R.(mΩ) Max. (Typ.)	Isat (A)*B Max.(Typ.) at 20°C	Isat (A)*B Max.(Typ.) at 100°C	Irms (A)*C Max.
RCP1317NP-330M	33±20%	58.0(46.0)	4.80(5.70)	4.40(5.20)	4.00
RCP1317NP-470M	47±20%	69.0(55.0)	4.30(5.10)	3.80(4.40)	3.70
RCP1317NP-680M	68±20%	101(81.0)	3.30(4.20)	3.00(3.60)	3.00
RCP1317NP-820M	82±20%	110(88.0)	3.10(3.80)	2.70(3.20)	2.80
RCP1317NP-101M	100±20%	125(100)	2.80(3.45)	2.50(2.90)	2.70
RCP1317NP-121L	120±15%	139(116)	2.60(3.20)	2.30(2.80)	2.50
RCP1317NP-151L	150±15%	195(156)	2.40(2.80)	2.10(2.40)	2.20
RCP1317NP-181L	180±15%	213(171)	2.20(2.60)	1.80(2.20)	2.10
RCP1317NP-221L	220±15%	278(223)	1.90(2.30)	1.70(1.95)	1.80
RCP1317NP-271L	270±15%	330(260)	1.70(2.10)	1.60(1.80)	1.70
RCP1317NP-331L	330±15%	360(290)	1.60(1.90)	1.40(1.60)	1.60
RCP1317NP-391L	390±15%	440(350)	1.45(1.70)	1.28(1.50)	1.50
RCP1317NP-471L	470±15%	530(420)	1.35(1.50)	1.17(1.35)	1.30
RCP1317NP-561L	560±15%	590(470)	1.25(1.40)	1.05(1.25)	1.25
RCP1317NP-681L	680±15%	780(620)	1.12(1.30)	0.95(1.10)	1.10
RCP1317NP-821L	820±15%	950(760)	1.02(1.20)	0.85(1.00)	1.00
RCP1317NP-102L	1000±15%	1,180(940)	0.90(1.05)	0.70(0.90)	0.94
RCP1317NP-122L	1200±15%	1,280(1,070)	0.80(0.95)	0.65(0.78)	0.84
RCP1317NP-152L	1500±15%	1,400(1,160)	0.72(0.85)	0.60(0.73)	0.81
RCP1317NP-182L	1800±15%	2,000(1,700)	0.68(0.80)	0.56(0.70)	0.66
RCP1317NP-222L	2200±15%	2,280(1,900)	0.62(0.73)	0.52(0.62)	0.62
RCP1317NP-272L	2700±15%	3,070(2,580)	0.58(0.66)	0.50(0.57)	0.55
RCP1317NP-332L	3300±15%	3,310(2,740)	0.51(0.60)	0.45(0.50)	0.52
RCP1317NP-392L	3900±15%	4,520(3,770)	0.47(0.55)	0.42(0.48)	0.47
RCP1317NP-472L	4700±15%	5,020(4,180)	0.43(0.50)	0.37(0.43)	0.43

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 35%.
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から10%低下する直流電流値。
*B Isat（直流重畳電流）: インダクタンスが初期値から35%低下する直流電流値。
*C Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

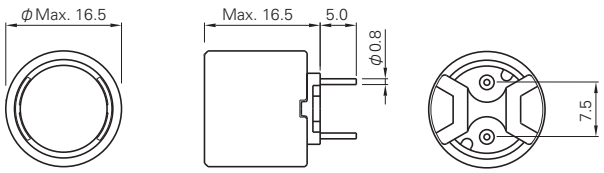
Weight (Ref.) / 重量(参考値)
RP1315B 6.1g
RCP1317 9.1g

Packing Quantity / 梱包数量
RP1315B 100pcs/box
RCP1317 100pcs/box

RCR1616

Operating Temperature Range
使用温度範囲:−40℃～+100℃

DIMENSIONS (mm)
外形寸法図



WIRE 線種	CONSTRUCTION 磁気構造図
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Part No.	L (μH)	RCR1616		
		D.C.R.(mΩ) Max. (Typ.)	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
RCR1616NP-4R7M	4.7±20%	6.70(5.15)	12.6(17.5)	(11.0)
RCR1616NP-6R8M	6.8±20%	9.35(7.20)	9.80(14.8)	(10.5)
RCR1616NP-100M	10±20%	10.5(8.25)	9.30(12.2)	(9.40)
RCR1616NP-120M	12±20%	11.0(8.47)	8.50(10.9)	(8.80)
RCR1616NP-150M	15±20%	14.5(11.2)	7.10(9.70)	(7.50)
RCR1616NP-180M	18±20%	16.5(12.7)	6.70(8.70)	(7.00)
RCR1616NP-220M	22±20%	17.0(13.0)	6.20(8.20)	(6.70)
RCR1616NP-270M	27±20%	20.0(15.2)	5.60(7.40)	(6.40)
RCR1616NP-330M	33±20%	27.0(20.5)	5.00(6.40)	(6.10)
RCR1616NP-390M	39±20%	33.0(25.4)	4.60(6.10)	(5.20)
RCR1616NP-470M	47±20%	37.0(28.4)	4.20(5.30)	(4.80)
RCR1616NP-560M	56±20%	45.0(34.5)	3.80(5.10)	(4.50)
RCR1616NP-680M	68±20%	56.0(43.0)	3.30(4.30)	(4.20)
RCR1616NP-820M	82±20%	64.5(49.5)	2.90(4.10)	(3.60)
RCR1616NP-101K	100±10%	68.0(52.5)	2.70(3.70)	(3.40)
RCR1616NP-121K	120±10%	80.0(61.7)	2.50(3.40)	(3.40)
RCR1616NP-151K	150±10%	91.0(70.0)	2.30(3.10)	(2.90)
RCR1616NP-181K	180±10%	135(104)	2.00(2.80)	(2.65)
RCR1616NP-221K	220±10%	155(119)	1.80(2.60)	(2.30)
RCR1616NP-271K	270±10%	180(140)	1.70(2.20)	(2.10)
RCR1616NP-331K	330±10%	240(183)	1.50(2.10)	(1.70)
RCR1616NP-391K	390±10%	255(196)	1.30(1.95)	(1.60)
RCR1616NP-471K	470±10%	280(215)	1.20(1.70)	(1.55)
RCR1616NP-561K	560±10%	380(291)	1.10(1.60)	(1.45)
RCR1616NP-681K	680±10%	515(397)	1.00(1.45)	(1.26)
RCR1616NP-821K	820±10%	575(443)	0.96(1.25)	(1.23)
RCR1616NP-102K	1000±10%	665(513)	0.85(1.20)	(1.15)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）: インダクタンスが初期値から10%低下する直流電流値。
*B Irms（温度上昇電流）: コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
RCR1616 11.2g

Packing Quantity / 梱包数量
RCR1616 100pcs/box

Non-Shielded PIN Type

(開磁ピンタイプインダクタ)

OUTLINE / 概要

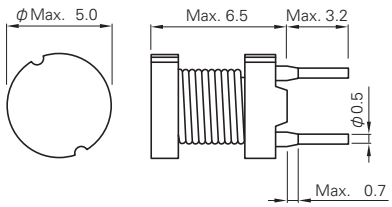
They are small size φ5, φ6, φ8, φ10, φ12 series high power inductors which are used for switching power supply with high reliability, high efficiency and saturation. Each series has a magnetically shielded type to prevent noise radiation.

小型ハイパワーインダクタとして強入力特性に優れた φ5、φ6、φ8、φ10、φ12 シリーズを揃えております。
外部幅射を考慮した閉磁タイプもございます。

RCH4764B

Operating Temperature Range
使用温度範囲:−20℃〜+105℃

DIMENSIONS (mm)
外形寸法図



WIRE
線種

CONSTRUCTION
磁気構造図

Part No.	L (μH)	RCH4764B		
		D.C.R.(mΩ) Max. (Typ.) at 20°C	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B Max. (Typ.)
RCH4764BNP-1R5M	1.5±20%	30.0(22.0)	5.80(7.00)	3.30(3.70)
RCH4764BNP-2R7M	2.7±20%	40.0(29.0)	4.80(6.00)	2.70(3.20)
RCH4764BNP-3R9M	3.9±20%	48.0(35.0)	3.80(4.80)	2.50(3.00)
RCH4764BNP-6R8M	6.8±20%	64.0(47.0)	2.80(3.60)	2.30(2.60)
RCH4764BNP-100M	10±20%	100(74.0)	2.40(3.00)	1.50(1.70)
RCH4764BNP-220M	22±20%	183(147)	1.70(2.10)	1.20(1.45)
RCH4764BNP-390M	39±20%	281(225)	1.10(1.40)	1.00(1.15)
RCH4764BNP-680K	68±10%	537(430)	0.90(1.10)	0.72(0.82)
RCH4764BNP-101K	100±10%	843(675)	0.78(0.90)	0.58(0.65)
RCH4764BNP-271K	270±10%	2,410(1,930)	0.48(0.60)	0.31(0.37)
RCH4764BNP-391K	390±10%	3,360(2,690)	0.39(0.48)	0.25(0.30)
RCH4764BNP-681K	680±10%	5,560(4,450)	0.30(0.38)	0.18(0.22)
RCH4764BNP-102K	1000±10%	8,250(6,600)	0.24(0.31)	0.16(0.18)

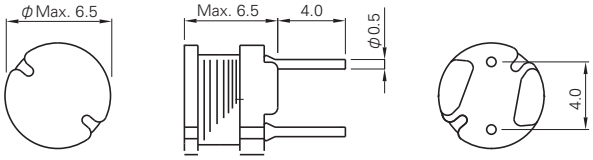
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から10%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
RCH4764B 0.5g

Packing Quantity / 梱包数量
RCH4764B 100pcs/box

RCH-664

DIMENSIONS (mm)
外形寸法図



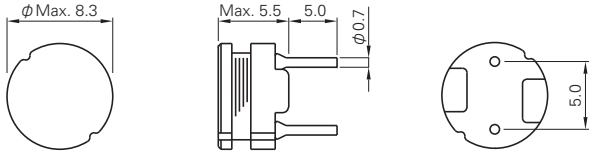
WIRE 線種	CONSTRUCTION 磁気構造図
●	I

Operating Temperature Range
使用温度範囲:−40℃〜+100℃

Part No.	L (μH)	RCH-664 D.C.R.(mΩ) Max.	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
RCH664NP-1R0M	1.0±20%	18.3	5.40(6.00)	(4.80)
RCH664NP-1R3M	1.3±20%	20.6	4.60(5.20)	(4.60)
RCH664NP-1R7M	1.7±20%	22.8	4.20(4.70)	(4.10)
RCH664NP-2R2M	2.2±20%	25.5	3.60(4.10)	(3.90)
RCH664NP-2R7M	2.7±20%	28.2	3.30(3.70)	(3.60)
RCH664NP-3R3M	3.3±20%	30.8	3.00(3.30)	(3.50)
RCH664NP-3R9M	3.9±20%	33.4	2.70(3.00)	(3.10)
RCH664NP-4R7M	4.7±20%	36.4	2.50(2.80)	(3.00)
RCH664NP-5R5M	5.5±20%	39.5	2.30(2.60)	(2.95)
RCH664NP-6R3M	6.3±20%	43.0	2.10(2.35)	(2.85)
RCH664NP-7R2M	7.2±20%	46.2	2.00(2.25)	(2.75)
RCH664NP-8R1M	8.1±20%	49.8	1.85(2.10)	(2.65)
RCH664NP-9R1M	9.1±20%	53.2	1.80(2.00)	(2.50)
RCH664NP-100M	10±20%	56.6	1.70(1.90)	(2.40)
RCH664NP-110L	11±15%	59.6	1.60(1.80)	(2.35)
RCH664NP-120L	12±15%	63.0	1.50(1.70)	(2.30)
RCH664NP-130L	13±15%	66.7	1.45(1.65)	(2.20)
RCH664NP-140L	14±15%	70.1	1.42(1.60)	(2.10)
RCH664NP-150L	15±15%	74.4	1.38(1.54)	(2.05)
RCH664NP-160L	16±15%	78.8	1.30(1.45)	(2.00)
RCH664NP-180L	18±15%	83.9	1.28(1.42)	(1.95)
RCH664NP-220K	22±10%	110	1.12(1.25)	(1.90)
RCH664NP-270K	27±10%	140	1.05(1.20)	(1.75)
RCH664NP-330K	33±10%	170	0.95(1.05)	(1.50)
RCH664NP-390K	39±10%	190	0.88(0.98)	(1.35)
RCH664NP-470K	47±10%	230	0.81(0.90)	(1.25)
RCH664NP-560K	56±10%	260	0.74(0.82)	(1.15)
RCH664NP-680K	68±10%	280	0.68(0.75)	(1.06)
RCH664NP-820K	82±10%	390	0.61(0.68)	(1.00)
RCH664NP-101K	100±10%	430	0.56(0.62)	(0.90)
RCH664NP-121K	120±10%	540	0.50(0.56)	(0.70)
RCH664NP-151K	150±10%	640	0.45(0.50)	(0.68)
RCH664NP-181K	180±10%	740	0.41(0.45)	(0.62)
RCH664NP-221K	220±10%	960	0.37(0.41)	(0.59)
RCH664NP-271K	270±10%	1,120	0.33(0.37)	(0.54)
RCH664NP-331K	330±10%	1,480	0.30(0.33)	(0.48)
RCH664NP-391K	390±10%	1,660	0.28(0.31)	(0.44)
RCH664NP-471K	470±10%	1,910	0.25(0.28)	(0.38)
RCH664NP-561K	560±10%	2,310	0.23(0.26)	(0.37)
RCH664NP-681K	680±10%	2,670	0.22(0.24)	(0.34)
RCH664NP-821K	820±10%	3,100	0.20(0.22)	(0.32)
RCH664NP-102K	1000±10%	4,450	0.18(0.20)	(0.24)

RCH-855

DIMENSIONS (mm)
外形寸法図



WIRE 線種	CONSTRUCTION 磁気構造図
●	I

Operating Temperature Range
使用温度範囲:−40℃〜+100℃

Part No.	L (μH)	RCH-855 D.C.R.(mΩ) Max.	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
RCH855NP-2R5M	2.5±20%	23.0	4.50(5.50)	(4.20)
RCH855NP-3R3M	3.3±20%	26.0	4.00(4.70)	(4.00)
RCH855NP-4R1M	4.1±20%	31.0	3.60(4.30)	(3.80)
RCH855NP-5R0M	5.0±20%	34.0	3.40(3.90)	(3.65)
RCH855NP-5R9M	5.9±20%	39.0	3.20(3.50)	(3.45)
RCH855NP-6R8M	6.8±20%	42.0	2.90(3.25)	(3.40)
RCH855NP-8R2M	8.2±20%	45.0	2.70(3.00)	(3.20)
RCH855NP-100M	10±20%	70.0	2.50(2.80)	(2.68)
RCH855NP-120M	12±20%	80.0	2.40(2.60)	(2.45)
RCH855NP-150M	15±20%	90.0	2.10(2.30)	(2.30)
RCH855NP-180M	18±20%	100	2.00(2.20)	(2.25)
RCH855NP-220K	22±10%	120	1.70(1.90)	(1.95)
RCH855NP-270K	27±10%	140	1.50(1.70)	(1.72)
RCH855NP-330K	33±10%	170	1.40(1.55)	(1.70)
RCH855NP-390K	39±10%	210	1.30(1.40)	(1.55)
RCH855NP-470K	47±10%	240	1.20(1.29)	(1.32)
RCH855NP-560K	56±10%	310	1.10(1.20)	(1.09)
RCH855NP-680K	68±10%	340	1.00(1.10)	(1.06)
RCH855NP-820K	82±10%	400	0.93(0.98)	(0.98)
RCH855NP-101K	100±10%	520	0.81(0.88)	(0.88)
RCH855NP-121K	120±10%	590	0.76(0.80)	(0.80)
RCH855NP-151K	150±10%	710	0.67(0.72)	(0.73)
RCH855NP-181K	180±10%	890	0.62(0.66)	(0.65)
RCH855NP-221K	220±10%	1,040	0.54(0.60	(0.63)
RCH855NP-271K	270±10%	1,280	0.49(0.53)	(0.51)
RCH855NP-331K	330±10%	1,470	0.44(0.48)	(0.46)
RCH855NP-391K	390±10%	1,670	0.41(0.45)	(0.44)
RCH855NP-471K	470±10%	1,950	0.38(0.42)	(0.43)
RCH855NP-561K	560±10%	2,830	0.35(0.38)	(0.35)
RCH855NP-681K	680±10%	3,250	0.32(0.34)	(0.34)
RCH855NP-821K	820±10%	3,820	0.28(0.31)	(0.32)
RCH855NP-102K	1000±10%	5,280	0.25(0.28)	(0.26)
RCH855NP-122K	1200±10%	6,030	0.23(0.26)	(0.25)
RCH855NP-152K	1500±10%	7,150	0.21(0.23)	(0.24)
RCH855NP-182K	1800±10%	8,260	0.20(0.22)	(0.23)
RCH855NP-222K	2200±10%	11,100	0.18(0.20)	(0.20)
RCH855NP-272K	2700±10%	13,100	0.16(0.18)	(0.18)
RCH855NP-332K	3300±10%	15,900	0.14(0.16)	(0.16)
RCH855NP-392K	3900±10%	18,000	0.13(0.14)	(0.16)
RCH855NP-472K	4700±10%	23,900	0.12(0.13)	(0.15)
RCH855NP-562K	5600±10%	26,800	0.11(0.12)	(0.13)
RCH855NP-682K	6800±10%	31,700	0.098(0.11)	(0.13)
RCH855NP-822K	8200±10%	46,500	0.088(0.10)	(0.11)
RCH855NP-103K	10000±10%	55,700	0.081(0.091)	(0.098)

Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から10%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

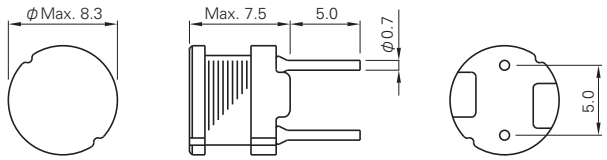
Weight (Ref.) / 重量(参考値)
RCH-664 0.7g
RCH-855 1.0g

Packing Quantity / 梱包数量
RCH-664 100pcs/box
RCH-855 100pcs/box

RCH-875

Operating Temperature Range
使用温度範囲:−40℃～+100℃

DIMENSIONS (mm)
外形寸法図



WIRE 線種	CONSTRUCTION 磁気構造図
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Part No.	L (μH)	RCH-875		
		D.C.R.(mΩ) Max.	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.)
RCH875NP-2R2M	2.2±20%	13.7	5.80(8.20)	(6.70)
RCH875NP-2R8M	2.8±20%	15.3	5.00(7.30)	(6.30)
RCH875NP-3R5M	3.5±20%	17.2	4.70(6.30)	(5.80)
RCH875NP-4R4M	4.4±20%	19.1	4.50(5.80)	(5.50)
RCH875NP-5R1M	5.1±20%	21.2	4.20(5.40)	(5.60)
RCH875NP-6R0M	6.0±20%	22.2	4.00(5.00)	(5.20)
RCH875NP-7R1M	7.1±20%	24.2	3.40(4.45)	(5.00)
RCH875NP-8R2M	8.2±20%	26.5	3.10(4.30)	(4.50)
RCH875NP-100M	10±20%	50.0	2.90(3.80)	(4.20)
RCH875NP-120M	12±20%	60.0	2.50(3.50)	(3.85)
RCH875NP-150K	15±10%	70.0	2.20(3.15)	(3.00)
RCH875NP-180K	18±10%	80.0	1.90(2.90)	(2.90)
RCH875NP-220K	22±10%	90.0	1.80(2.60)	(2.65)
RCH875NP-270K	27±10%	110	1.70(2.30)	(2.20)
RCH875NP-330K	33±10%	130	1.50(2.20)	(2.20)
RCH875NP-390K	39±10%	140	1.30(2.00)	(2.05)
RCH875NP-470K	47±10%	150	1.30(1.75)	(1.95)
RCH875NP-560K	56±10%	180	1.20(1.65)	(1.70)
RCH875NP-680K	68±10%	200	1.10(1.50)	(1.60)
RCH875NP-820K	82±10%	240	1.00(1.35)	(1.42)
RCH875NP-101K	100±10%	350	0.89(1.25)	(1.15)
RCH875NP-121K	120±10%	360	0.81(1.15)	(1.08)
RCH875NP-151K	150±10%	420	0.72(1.00)	(1.02)
RCH875NP-181K	180±10%	570	0.66(0.91)	(0.86)
RCH875NP-221K	220±10%	630	0.57(0.78)	(0.80)
RCH875NP-271K	270±10%	880	0.51(0.74)	(0.68)
RCH875NP-331K	330±10%	1,050	0.46(0.65)	(0.62)
RCH875NP-391K	390±10%	1,170	0.44(0.62)	(0.62)
RCH875NP-471K	470±10%	1,340	0.41(0.56)	(0.60)
RCH875NP-561K	560±10%	1,720	0.36(0.52)	(0.46)
RCH875NP-681K	680±10%	1,960	0.33(0.47)	(0.46)
RCH875NP-821K	820±10%	2,560	0.30(0.42)	(0.40)
RCH875NP-102K	1000±10%	2,940	0.27(0.39)	(0.37)
RCH875NP-122K	1200±10%	4,040	0.24(0.34)	(0.32)
RCH875NP-152K	1500±10%	4,700	0.22(0.31)	(0.29)
RCH875NP-182K	1800±10%	5,050	0.20(0.28)	(0.28)
RCH875NP-222K	2200±10%	6,250	0.18(0.26)	(0.25)
RCH875NP-272K	2700±10%	8,720	0.16(0.24)	(0.21)
RCH875NP-332K	3300±10%	10,600	0.15(0.21)	(0.19)
RCH875NP-392K	3900±10%	14,200	0.14(0.20)	(0.16)
RCH875NP-472K	4700±10%	16,700	0.12(0.18)	(0.15)
RCH875NP-562K	5600±10%	18,700	0.11(0.17)	(0.14)
RCH875NP-682K	6800±10%	21,800	0.10(0.15)	(0.14)
RCH875NP-822K	8200±10%	28,700	0.093(0.14)	(0.12)
RCH875NP-103K	10000±10%	33,000	0.084(0.13)	(0.11)

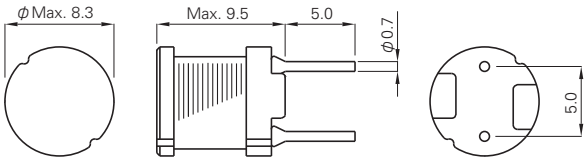
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から10%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
RCH-875 1.4g

Packing Quantity / 梱包数量
RCH-875 100pcs/box

RCH-895

DIMENSIONS (mm)
外形寸法図



WIRE 線種	CONSTRUCTION 磁気構造図
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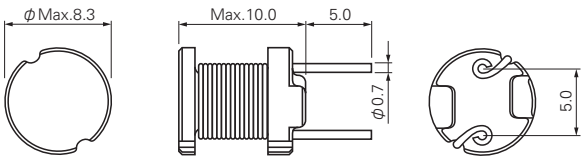
Operating Temperature Range
使用温度範囲:−40℃～+100℃

Part No.	L (μH)	RCH-895 D.C.R.(mΩ) Max.	RCH-895 Isat (A)*A Max.(Typ.) at 20°C	RCH-895 Irms (A)*B (Typ.)
RCH895NP-2R5M	2.5±20%	13.7	5.00(6.50)	(6.30)
RCH895NP-3R2M	3.2±20%	15.3	4.50(6.00)	(6.10)
RCH895NP-3R8M	3.8±20%	16.4	4.10(5.40)	(5.80)
RCH895NP-4R6M	4.6±20%	18.6	3.70(5.00)	(5.40)
RCH895NP-5R5M	5.5±20%	20.2	3.40(4.50)	(5.10)
RCH895NP-6R5M	6.5±20%	20.8	3.20(4.20)	(4.90)
RCH895NP-7R7M	7.7±20%	22.4	2.90(3.90)	(4.80)
RCH895NP-9R2M	9.2±20%	24.1	2.70(3.50)	(4.70)
RCH895NP-100M	10±20%	40.0	2.60(3.30)	(4.50)
RCH895NP-120M	12±20%	40.0	2.60(3.20)	(4.00)
RCH895NP-150K	15±10%	50.0	2.10(2.60)	(3.90)
RCH895NP-180K	18±10%	50.0	2.00(2.45)	(3.50)
RCH895NP-220K	22±10%	60.0	1.70(2.20)	(3.20)
RCH895NP-270K	27±10%	60.0	1.60(2.00)	(3.10)
RCH895NP-330K	33±10%	70.0	1.40(1.80)	(2.70)
RCH895NP-390K	39±10%	80.0	1.40(1.70)	(2.50)
RCH895NP-470K	47±10%	100	1.30(1.50)	(2.10)
RCH895NP-560K	56±10%	110	1.20(1.40)	(2.00)
RCH895NP-680K	68±10%	140	1.10(1.30)	(1.70)
RCH895NP-820K	82±10%	160	1.00(1.20)	(1.60)
RCH895NP-101K	100±10%	190	0.90(1.05)	(1.50)
RCH895NP-121K	120±10%	220	0.82(0.96)	(1.30)
RCH895NP-151K	150±10%	270	0.74(0.86)	(1.20)
RCH895NP-181K	180±10%	310	0.71(0.78)	(1.10)
RCH895NP-221K	220±10%	380	0.64(0.70)	(1.00)
RCH895NP-271K	270±10%	530	0.57(0.65)	(0.85)
RCH895NP-331K	330±10%	610	0.51(0.58)	(0.80)
RCH895NP-391K	390±10%	690	0.48(0.53)	(0.75)
RCH895NP-471K	470±10%	890	0.43(0.48)	(0.68)
RCH895NP-561K	560±10%	1,010	0.40(0.43)	(0.62)
RCH895NP-681K	680±10%	1,180	0.35(0.39)	(0.56)
RCH895NP-821K	820±10%	1,570	0.32(0.37)	(0.48)
RCH895NP-102K	1000±10%	1,840	0.30(0.32)	(0.47)
RCH895NP-122K	1200±10%	2,100	0.27(0.30)	(0.45)
RCH895NP-152K	1500±10%	2,800	0.23(0.26)	(0.36)
RCH895NP-182K	1800±10%	3,210	0.21(0.24)	(0.35)
RCH895NP-222K	2200±10%	4,210	0.19(0.22)	(0.30)
RCH895NP-272K	2700±10%	4,940	0.17(0.20)	(0.28)
RCH895NP-332K	3300±10%	6,160	0.15(0.18)	(0.23)
RCH895NP-392K	3900±10%	6,840	0.14(0.17)	(0.22)
RCH895NP-472K	4700±10%	7,890	0.13(0.15)	(0.22)
RCH895NP-562K	5600±10%	11,500	0.12(0.14)	(0.18)
RCH895NP-682K	6800±10%	13,200	0.11(0.13)	(0.17)
RCH895NP-822K	8200±10%	15,300	0.10(0.11)	(0.15)
RCH895NP-103K	10000±10%	22,000	0.089(0.10)	(0.13)
RCH895NP-123K	12000±10%	25,000	0.073(0.098)	(0.12)
RCH895NP-153K	15000±10%	29,100	0.068(0.087)	(0.12)
RCH895NP-183K	18000±10%	38,900	0.066(0.08)	(0.10)
RCH895NP-223K	22000±10%	44,900	0.059(0.072)	(0.09)
RCH895NP-273K	27000±10%	55,700	0.052(0.065)	(0.07)
RCH895NP-333K	33000±10%	64,200	0.048(0.06)	(0.068)
RCH895NP-393K	39000±10%	74,200	0.042(0.054)	(0.062)
RCH895NP-473K	47000±10%	96,400	0.038(0.05)	(0.054)

RCH8010

DIMENSIONS (mm)
外形寸法図



WIRE 線種	CONSTRUCTION 磁気構造図
●	I

Operating Temperature Range
使用温度範囲:−40℃～+100℃

Part No.	L (μH)	RCH8010 D.C.R.(mΩ) Max. (Typ.)	RCH8010 Isat (A)*A Max.(Typ.) at 20°C	RCH8010 Irms (A)*B (Typ.)
RCH8010NP-100M	10±20%	39.8(33.2)	4.50(5.60)	(3.80)
RCH8010NP-150M	15±20%	48.5(40.4)	4.00(5.00)	(3.30)
RCH8010NP-220M	22±20%	60.6(50.5)	3.20(4.00)	(3.00)
RCH8010NP-330M	33±20%	77.4(64.5)	2.60(3.30)	(2.70)
RCH8010NP-470M	47±20%	111(92.7)	2.20(2.80)	(2.20)
RCH8010NP-680M	68±20%	142(118)	1.90(2.40)	(2.00)
RCH8010NP-101M	100±20%	226(188)	1.60(2.00)	(1.50)
RCH8010NP-151M	150±20%	320(267)	1.30(1.60)	(1.30)
RCH8010NP-221M	220±20%	470(390)	1.00(1.30)	(1.00)
RCH8010NP-331M	330±20%	710(590)	0.84(1.05)	(0.85)
RCH8010NP-471M	470±20%	980(820)	0.71(0.89)	(0.72)
RCH8010NP-681M	680±20%	1,380(1,150)	0.60(0.75)	(0.60)
RCH8010NP-102M	1000±20%	2,160(1,800)	0.50(0.62)	(0.47)
RCH8010NP-152M	1500±20%	3,280(2,730)	0.39(0.49)	(0.39)
RCH8010NP-222M	2200±20%	5,240(4,370)	0.33(0.41)	(0.30)
RCH8010NP-332M	3300±20%	8,020(6,680)	0.26(0.33)	(0.26)
RCH8010NP-472M	4700±20%	10,680(8,900)	0.24(0.29)	(0.24)

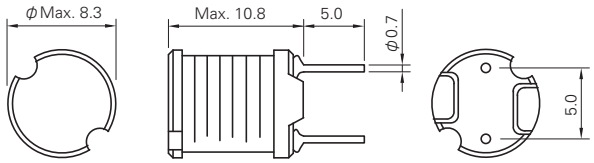
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から10%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
RCH-895 1.8g
RCH8010 2.2g

Packing Quantity / 梱包数量
RCH-895 100pcs/box
RCH8010 100pcs/box

RCH8011

DIMENSIONS (mm)
外形寸法図



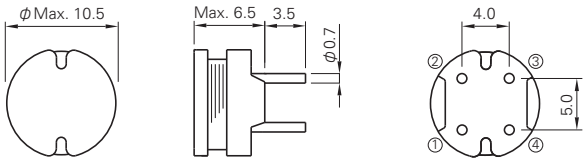
WIRE 線種	CONSTRUCTION 磁気構造図
●	I

Operating Temperature Range
使用温度範囲:−30℃～+100℃

Part No.	L (μH)	RCH8011 D.C.R.(mΩ) Max. (Typ.)	RCH8011 Isat (A)*A Max.(Typ.) at 20°C	RCH8011 Irms (A)*B (Typ.)
RCH8011NP-100L	10±15%	35.0(28.0)	4.40(5.10)	(4.10)
RCH8011NP-120L	12±15%	40.0(32.0)	4.00(4.90)	(3.95)
RCH8011NP-150L	15±15%	47.0(38.0)	3.60(4.20)	(3.75)
RCH8011NP-180L	18±15%	53.0(42.0)	3.30(4.00)	(3.60)
RCH8011NP-220L	22±15%	56.0(45.0)	2.80(3.40)	(3.05)
RCH8011NP-270L	27±15%	65.0(52.0)	2.60(3.20)	(2.80)
RCH8011NP-330L	33±15%	75.0(60.0)	2.40(3.00)	(2.70)
RCH8011NP-390L	39±15%	84.0(67.0)	2.20(2.74)	(2.55)
RCH8011NP-470L	47±15%	110(88.0)	2.00(2.50)	(2.15)
RCH8011NP-560L	56±15%	123(98.0)	1.85(2.27)	(2.00)
RCH8011NP-680L	68±15%	138(111)	1.70(2.05)	(1.90)
RCH8011NP-820L	82±15%	190(154)	1.60(1.90)	(1.55)
RCH8011NP-101L	100±15%	215(172)	1.50(1.70)	(1.50)
RCH8011NP-121L	120±15%	275(222)	1.20(1.55)	(1.30)
RCH8011NP-151L	150±15%	310(250)	1.10(1.37)	(1.20)
RCH8011NP-181L	180±15%	360(288)	1.00(1.28)	(1.10)
RCH8011NP-221L	220±15%	440(354)	0.95(1.15)	(1.05)
RCH8011NP-271L	270±15%	590(472)	0.90(1.04)	(0.90)
RCH8011NP-331L	330±15%	640(512)	0.80(0.94)	(0.82)
RCH8011NP-391L	390±15%	710(570)	0.70(0.88)	(0.78)
RCH8011NP-471L	470±15%	900(720)	0.65(0.77)	(0.70)
RCH8011NP-561L	560±15%	1,125(903)	0.60(0.71)	(0.64)
RCH8011NP-681L	680±15%	1,280(1,025)	0.56(0.65)	(0.54)
RCH8011NP-821L	820±15%	1,660(1,329)	0.52(0.60)	(0.50)
RCH8011NP-102L	1000±15%	1,915(1,532)	0.49(0.52)	(0.47)

RCH-106

DIMENSIONS (mm)
外形寸法図



CONNECTION 端子接続	WIRE 線種	CONSTRUCTION 磁気構造図
(1.0μH - 7.8μH) (10μH - 1.0mH) 1,3 NC BOTTOM VIEW 裏面図	●	I

Operating Temperature Range
使用温度範囲:−40℃～+100℃

Part No.	L (μH)	RCH-106 D.C.R.(mΩ) Max.	RCH-106 Isat (A)*A Max.(Typ.) at 20°C	RCH-106 Irms (A)*B (Typ.) 2,3-1,4
RCH106NP-1R0N	1.0±30%	5.00	10.9(12.2)	(10.9)
RCH106NP-1R2N	1.2±30%	6.90	9.50(10.6)	(10.5)
RCH106NP-1R8M	1.8±20%	8.00	7.70(8.60)	(9.70)
RCH106NP-2R8M	2.8±20%	11.8	6.30(7.00)	(7.70)
RCH106NP-3R6M	3.6±20%	13.8	5.50(6.20)	(7.00)
RCH106NP-5R1M	5.1±20%	19.6	4.80(5.40)	(5.90)
RCH106NP-6R3M	6.3±20%	23.1	4.30(4.80)	(5.70)
RCH106NP-7R8M	7.8±20%	24.8	3.70(4.20)	(5.30)
RCH106NP-100M	10±20%	40.0	3.40(3.80)	(4.20)
RCH106NP-120M	12±20%	44.0	3.10(3.50)	(4.10)
RCH106NP-150M	15±20%	58.0	2.70(3.10)	(3.40)
RCH106NP-180M	18±20%	64.0	2.60(2.90)	(3.30)
RCH106NP-220M	22±20%	88.0	2.20(2.50)	(2.60)
RCH106NP-270M	27±20%	100	2.00(2.30)	(2.50)
RCH106NP-330K	33±10%	110	1.80(2.10)	(2.30)
RCH106NP-390K	39±10%	140	1.70(1.90)	(2.00)
RCH106NP-470K	47±10%	160	1.60(1.80)	(1.80)
RCH106NP-560K	56±10%	190	1.40(1.60)	(1.70)
RCH106NP-680K	68±10%	220	1.30(1.50)	(1.60)
RCH106NP-820K	82±10%	290	1.20(1.35)	(1.44)
RCH106NP-101K	100±10%	320	1.10(1.25)	(1.40)
RCH106NP-121K	120±10%	380	1.00(1.15)	(1.30)
RCH106NP-151K	150±10%	500	0.90(1.00)	(1.10)
RCH106NP-181K	180±10%	560	0.83(0.92)	(1.00)
RCH106NP-221K	220±10%	780	0.72(0.80)	(0.85)
RCH106NP-271K	270±10%	920	0.67(0.74)	(0.77)
RCH106NP-331K	330±10%	1,100	0.60(0.67)	(0.72)
RCH106NP-391K	390±10%	1,300	0.56(0.62)	(0.67)
RCH106NP-471K	470±10%	1,500	0.50(0.56)	(0.65)
RCH106NP-561K	560±10%	1,900	0.45(0.50)	(0.52)
RCH106NP-681K	680±10%	2,200	0.42(0.47)	(0.50)
RCH106NP-821K	820±10%	2,600	0.38(0.42)	(0.48)
RCH106NP-102K	1000±10%	3,200	0.34(0.38)	(0.40)

Other / その他

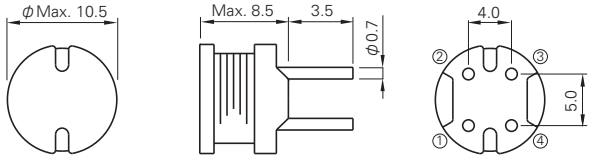
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から10%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
RCH8011 2.0g
RCH-106 1.7g

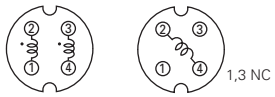
Packing Quantity / 梱包数量
RCH8011 100pcs/box
RCH-106 100pcs/box

RCH-108

DIMENSIONS (mm)
外形寸法図



CONNECTION 端子接続	WIRE 線種	CONSTRUCTION 磁気構造図



(2.2μH - 15μH) (18μH - 1.0mH)

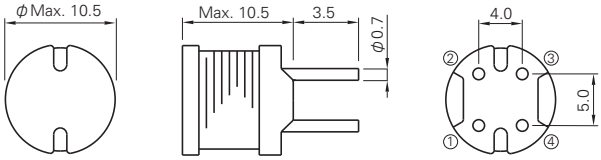
BOTTOM VIEW
裏面図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

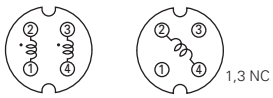
Part No.	L (μH)	RCH-108 D.C.R.(mΩ) Max.	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.) 2,3-1,4
RCH108NP-2R2M	2.2±20%	8.50	8.20(9.20)	(9.00)
RCH108NP-2R7M	2.7±20%	9.60	7.20(8.00)	(8.90)
RCH108NP-3R7M	3.7±20%	10.9	6.30(7.10)	(7.40)
RCH108NP-4R7M	4.7±20%	11.7	5.50(6.20)	(7.10)
RCH108NP-6R2M	6.2±20%	15.3	5.30(5.90)	(6.70)
RCH108NP-8R2M	8.2±20%	17.0	4.90(5.50)	(6.10)
RCH108NP-100M	10±20%	27.0	4.10(4.60)	(6.00)
RCH108NP-120M	12±20%	31.0	3.80(4.30)	(5.30)
RCH108NP-150M	15±20%	36.0	3.40(3.80)	(4.70)
RCH108NP-180M	18±20%	49.0	3.20(3.60)	(4.20)
RCH108NP-220M	22±20%	55.0	2.90(3.30)	(3.80)
RCH108NP-270M	27±20%	62.0	2.50(2.80)	(3.50)
RCH108NP-330K	33±10%	79.0	2.40(2.70)	(2.90)
RCH108NP-390K	39±10%	87.0	2.10(2.40)	(2.80)
RCH108NP-470K	47±10%	99.0	2.00(2.30)	(2.70)
RCH108NP-560K	56±10%	130	1.80(2.00)	(2.25)
RCH108NP-680K	68±10%	140	1.60(1.85)	(2.20)
RCH108NP-820K	82±10%	160	1.50(1.75)	(2.10)
RCH108NP-101K	100±10%	210	1.40(1.55)	(1.75)
RCH108NP-121K	120±10%	240	1.25(1.40)	(1.65)
RCH108NP-151K	150±10%	320	1.15(1.30)	(1.55)
RCH108NP-181K	180±10%	350	1.08(1.20)	(1.40)
RCH108NP-221K	220±10%	450	0.90(1.00)	(1.20)
RCH108NP-271K	270±10%	610	0.81(0.90)	(1.04)
RCH108NP-331K	330±10%	690	0.74(0.82)	(0.95)
RCH108NP-391K	390±10%	780	0.69(0.77)	(0.90)
RCH108NP-471K	470±10%	1,000	0.64(0.71)	(0.79)
RCH108NP-561K	560±10%	1,200	0.59(0.65)	(0.74)
RCH108NP-681K	680±10%	1,400	0.50(0.56)	(0.70)
RCH108NP-821K	820±10%	1,800	0.48(0.53)	(0.58)
RCH108NP-102K	1000±10%	2,100	0.44(0.49)	(0.56)

RCH-110

DIMENSIONS (mm)
外形寸法図



CONNECTION 端子接続	WIRE 線種	CONSTRUCTION 磁気構造図



(10μH - 33μH) (39μH - 1.0mH)

BOTTOM VIEW
裏面図

Operating Temperature Range
使用温度範囲:−40℃～+100℃

Part No.	L (μH)	RCH-110 D.C.R.(mΩ) Max.	Isat (A)*A Max.(Typ.) at 20°C	Irms (A)*B (Typ.) 2,3-1,4
RCH110NP-100M	10±20%	22.0	4.90(5.50)	(6.70)
RCH110NP-120M	12±20%	23.0	4.60(5.10)	(6.10)
RCH110NP-150M	15±20%	26.0	4.20(4.70)	(5.90)
RCH110NP-180M	18±20%	33.0	3.80(4.30)	(5.00)
RCH110NP-220M	22±20%	37.0	3.40(3.80)	(4.70)
RCH110NP-270M	27±20%	48.0	3.10(3.50)	(4.10)
RCH110NP-330K	33±10%	55.0	2.90(3.20)	(3.70)
RCH110NP-390K	39±10%	73.0	2.60(2.90)	(3.10)
RCH110NP-470K	47±10%	83.0	2.30(2.60)	(2.90)
RCH110NP-560K	56±10%	92.0	2.10(2.40)	(2.70)
RCH110NP-680K	68±10%	120	1.90(2.15)	(2.30)
RCH110NP-820K	82±10%	140	1.80(2.00)	(2.20)
RCH110NP-101K	100±10%	160	1.60(1.78)	(2.00)
RCH110NP-121K	120±10%	200	1.44(1.60)	(1.85)
RCH110NP-151K	150±10%	230	1.34(1.49)	(1.80)
RCH110NP-181K	180±10%	310	1.22(1.35)	(1.60)
RCH110NP-221K	220±10%	340	1.08(1.20)	(1.42)
RCH110NP-271K	270±10%	400	0.99(1.10)	(1.22)
RCH110NP-331K	330±10%	520	0.90(1.00)	(1.10)
RCH110NP-391K	390±10%	650	0.81(0.90)	(1.00)
RCH110NP-471K	470±10%	710	0.74(0.82)	(0.96)
RCH110NP-561K	560±10%	1,000	0.68(0.75)	(0.80)
RCH110NP-681K	680±10%	1,100	0.62(0.69)	(0.75)
RCH110NP-821K	820±10%	1,300	0.57(0.63)	(0.70)
RCH110NP-102K	1000±10%	1,700	0.50(0.56)	(0.58)

Other /その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から10%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

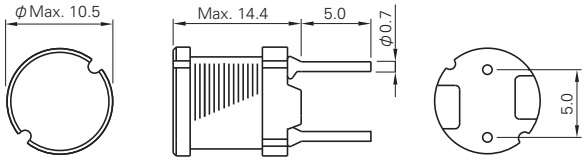
RCH-108 2.2g
RCH-110 3.0g

Packing Quantity / 梱包数量

RCH-108 100pcs/box
RCH-110 100pcs/box

RCH114

DIMENSIONS (mm)
外形寸法図



WIRE 線種 ●

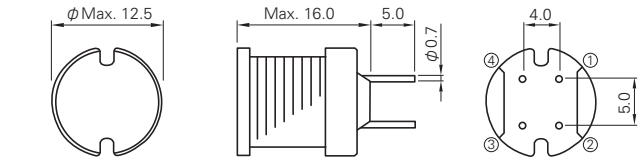
CONSTRUCTION 磁気構造図 I

Operating Temperature Range
使用温度範囲:−40℃～+100℃

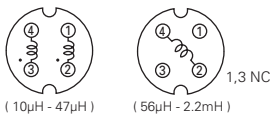
Part No.	L (μH)	RCH114 D.C.R.(Ω) Max. (Typ.)	RCH114 Isat (A)*A Max.(Typ.) at 20°C	RCH114 Irms (A)*B (Typ.)
RCH114NP-6R3MB	6.3±20%	0.026(0.020)	8.20(9.20)	(5.60)
RCH114NP-7R5MB	7.5±20%	0.029(0.022)	7.70(8.60)	(5.40)
RCH114NP-8R8MB	8.8±20%	0.030(0.023)	7.00(7.80)	(5.00)
RCH114NP-100KB	10±10%	0.033(0.025)	6.70(7.50)	(4.80)
RCH114NP-120KB	12±10%	0.035(0.027)	5.90(6.60)	(4.60)
RCH114NP-150KB	15±10%	0.039(0.030)	5.30(5.90)	(4.40)
RCH114NP-180KB	18±10%	0.047(0.036)	4.90(5.50)	(4.20)
RCH114NP-220KB	22±10%	0.051(0.039)	4.50(5.00)	(4.00)
RCH114NP-270KB	27±10%	0.057(0.044)	4.00(4.50)	(3.70)
RCH114NP-330KB	33±10%	0.064(0.049)	3.70(4.20)	(3.60)
RCH114NP-390KB	39±10%	0.074(0.057)	3.30(3.70)	(3.30)
RCH114NP-470KB	47±10%	0.083(0.064)	3.00(3.40)	(3.10)
RCH114NP-560KB	56±10%	0.104(0.08)	2.70(3.10)	(2.70)
RCH114NP-680KB	68±10%	0.117(0.09)	2.50(2.80)	(2.50)
RCH114NP-820KB	82±10%	0.130(0.10)	2.30(2.60)	(2.40)
RCH114NP-101KB	100±10%	0.143(0.11)	1.90(2.20)	(2.30)
RCH114NP-121KB	120±10%	0.195(0.15)	1.80(2.00)	(2.10)
RCH114NP-151KB	150±10%	0.221(0.17)	1.70(1.90)	(1.90)
RCH114NP-181KB	180±10%	0.26(0.20)	1.50(1.72)	(1.80)
RCH114NP-221KB	220±10%	0.35(0.27)	1.30(1.50)	(1.68)
RCH114NP-271KB	270±10%	0.39(0.30)	1.20(1.36)	(1.50)
RCH114NP-331KB	330±10%	0.52(0.40)	1.10(1.22)	(1.30)
RCH114NP-391KB	390±10%	0.57(0.44)	0.97(1.08)	(1.25)
RCH114NP-471KB	470±10%	0.65(0.50)	0.95(1.05)	(1.19)
RCH114NP-561KB	560±10%	0.79(0.61)	0.86(0.95)	(1.04)
RCH114NP-681KB	680±10%	0.96(0.74)	0.78(0.88)	(0.85)
RCH114NP-821KB	820±10%	1.22(0.94)	0.70(0.78)	(0.79)
RCH114NP-102KB	1000±10%	1.60(1.30)	0.62(0.69)	(0.68)
RCH114NP-122KB	1200±10%	2.20(1.80)	0.58(0.66)	(0.65)
RCH114NP-152KB	1500±10%	2.50(2.00)	0.55(0.61)	(0.60)
RCH114NP-182KB	1800±10%	2.90(2.30)	0.50(0.55)	(0.50)
RCH114NP-222KB	2200±10%	3.20(2.60)	0.43(0.48)	(0.45)
RCH114NP-272KB	2700±10%	3.70(3.00)	0.39(0.43)	(0.43)
RCH114NP-332KB	3300±10%	5.00(4.00)	0.36(0.40)	(0.37)
RCH114NP-392KB	3900±10%	5.60(4.50)	0.32(0.36)	(0.36)
RCH114NP-472KB	4700±10%	7.40(5.90)	0.31(0.35)	(0.31)
RCH114NP-562KB	5600±10%	8.20(6.60)	0.28(0.31)	(0.30)
RCH114NP-682KB	6800±10%	11.9(9.50)	0.25(0.28)	(0.26)
RCH114NP-822KB	8200±10%	14.0(11.0)	0.23(0.25)	(0.24)
RCH114NP-103KB	10000±10%	16.0(13.0)	0.20(0.22)	(0.23)
RCH114NP-123KB	12000±10%	21.0(17.0)	0.19(0.21)	(0.20)
RCH114NP-153KB	15000±10%	24.0(19.0)	0.16(0.18)	(0.19)
RCH114NP-183KB	18000±10%	27.0(22.0)	0.15(0.17)	(0.18)
RCH114NP-223KB	22000±10%	34.0(27.0)	0.14(0.16)	(0.16)
RCH114NP-273KB	27000±10%	39.0(31.0)	0.13(0.14)	(0.15)
RCH114NP-333KB	33000±10%	51.0(41.0)	0.12(0.13)	(0.14)
RCH114NP-393KB	39000±10%	58.0(46.0)	0.11(0.12)	(0.12)

RCH1216B

DIMENSIONS (mm)
外形寸法図



CONNECTION 端子接続



WIRE 線種 ●

CONSTRUCTION 磁気構造図 I

Operating Temperature Range
使用温度範囲:−30℃～+100℃

Part No.	L (μH)	RCH1216B D.C.R.(mΩ) Max. (Typ.)	RCH1216B Isat (A)*A Max.(Typ.) at 20°C	RCH1216B Irms (A)*B (Typ.) 1-3,2-4
RCH1216BNP-100M	10±20%	24.0(19.0)	9.00(11.5)	(5.60)
RCH1216BNP-120M	12±20%	26.0(21.0)	7.80(10.4)	(5.20)
RCH1216BNP-150M	15±20%	29.0(23.0)	7.20(9.50)	(5.40)
RCH1216BNP-180M	18±20%	33.0(26.0)	6.75(8.50)	(4.80)
RCH1216BNP-220M	22±20%	37.0(29.0)	6.00(7.40)	(4.60)
RCH1216BNP-270M	27±20%	41.0(32.0)	5.50(7.00)	(4.20)
RCH1216BNP-330M	33±20%	46.0(36.0)	5.00(6.40)	(4.00)
RCH1216BNP-390M	39±20%	49.0(39.0)	4.70(5.80)	(3.80)
RCH1216BNP-470M	47±20%	56.0(44.0)	4.30(5.30)	(3.70)
RCH1216BNP-560K	56±10%	87.0(69.0)	4.10(4.80)	(3.00)
RCH1216BNP-680K	68±10%	98.0(78.0)	3.80(4.20)	(2.60)
RCH1216BNP-820K	82±10%	107(85.0)	3.20(3.80)	(2.50)
RCH1216BNP-101K	100±10%	121(96.0)	3.00(3.60)	(2.40)
RCH1216BNP-121K	120±10%	134(107)	2.85(3.30)	(2.30)
RCH1216BNP-151K	150±10%	156(124)	2.55(3.00)	(2.20)
RCH1216BNP-181K	180±10%	206(164)	2.20(2.50)	(1.80)
RCH1216BNP-221K	220±10%	236(188)	2.00(2.40)	(1.78)
RCH1216BNP-271K	270±10%	320(250)	1.85(2.20)	(1.55)
RCH1216BNP-331K	330±10%	370(290)	1.65(1.95)	(1.50)
RCH1216BNP-391K	390±10%	480(380)	1.55(1.80)	(1.20)
RCH1216BNP-471K	470±10%	550(440)	1.45(1.70)	(1.15)
RCH1216BNP-561K	560±10%	620(490)	1.36(1.55)	(1.05)
RCH1216BNP-681K	680±10%	790(630)	1.20(1.40)	(0.94)
RCH1216BNP-821K	820±10%	880(700)	1.14(1.26)	(0.87)
RCH1216BNP-102K	1000±10%	1,130(900)	1.00(1.15)	(0.74)
RCH1216BNP-122K	1200±10%	1,250(1,000)	0.89(1.05)	(0.72)
RCH1216BNP-152K	1500±10%	1,520(1,260)	0.85(0.95)	(0.62)
RCH1216BNP-182K	1800±10%	1,930(1,600)	0.76(0.85)	(0.54)
RCH1216BNP-222K	2200±10%	2,520(2,100)	0.65(0.75)	(0.48)

Other /その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%.
*B Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から10%低下する直流電流値。
*B Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
RCH114 4.1g
RCH1216B 6.0g

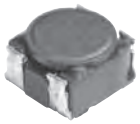
Packing Quantity / 梱包数量
RCH114 100pcs/box
RCH1216B 100pcs/box

SMD Shielded Type
Coupled Inductor（デュアルインダクタ）

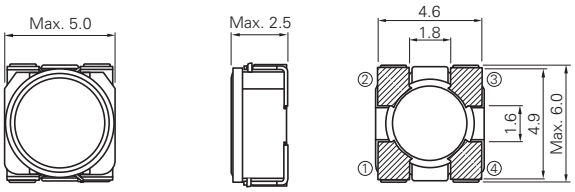
OUTLINE / 概要
2 in 1 package coil for up-down converter (SEPIC and ZETA) and step up converter (Auto transformer).
Application : Power supply for LED,etc.

2個のコイルを1パッケージ(2 in 1構造)にしたコイルで、昇降圧コンバータ(SEPIC、ZETA)や昇圧コンバータ(AutoTransformer)に使用可能。
LED駆動用電源に最適。

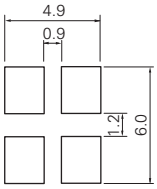
CLS4D23B



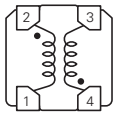
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



BOTTOM VIEW
裏面図

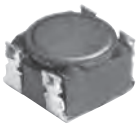
WIRE
線種

●

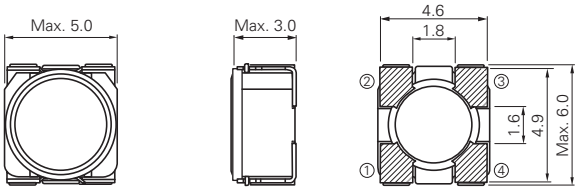
CONSTRUCTION
磁気構造図

Part No.	L (μH)	CLS4D23B					
		Isat (A)				Irms (A)*C	
		2-1,4-3		2-3(1-4tie)		2-1,4-3	2-3(1-4tie)
	2-1,4-3	Condition1*A	Condition2*B	Condition3*A	Condition4*B	Condition5	Condition6
CLS4D23B-2R2NC	2.2±30%	1.92	1.72	0.96	0.80	3.00	1.36
CLS4D23B-3R6NC	3.6±30%	1.44	1.28	0.64	0.56	2.50	1.16
CLS4D23B-5R3NC	5.3±30%	1.06	0.93	0.60	0.54	2.00	0.90
CLS4D23B-7R3NC	7.3±30%	1.01	0.85	0.52	0.45	1.62	0.77
CLS4D23B-110NC	11±30%	0.84	0.74	0.48	0.42	1.48	0.65
CLS4D23B-170NC	17±30%	0.72	0.63	0.35	0.31	1.00	0.47
CLS4D23B-220NC	22±30%	0.60	0.52	0.28	0.25	0.96	0.43

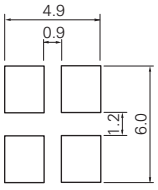
CLS4D28B



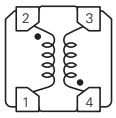
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



BOTTOM VIEW
裏面図

WIRE
線種

●

CONSTRUCTION
磁気構造図

Part No.	L (μH)	CLS4D28B					
		Isat (A)				Irms (A)*C	
		2-1,4-3		2-3(1-4tie)		2-1,4-3	2-3(1-4tie)
	2-1,4-3	Condition1*A	Condition2*B	Condition3*A	Condition4*B	Condition5	Condition6
CLS4D28BNP-2R2NC	2.2±30%	1.44	1.30	0.75	0.63	2.80	1.40
CLS4D28BNP-3R5NC	3.5±30%	1.15	1.05	0.60	0.52	2.40	1.20
CLS4D28BNP-5R2NC	5.2±30%	0.95	0.86	0.49	0.42	2.10	1.00
CLS4D28BNP-6R8NC	6.8±30%	0.86	0.72	0.43	0.36	1.80	0.85
CLS4D28BNP-100NC	10±30%	0.75	0.62	0.37	0.32	1.55	0.70
CLS4D28BNP-150NC	15±30%	0.61	0.52	0.31	0.26	1.25	0.56
CLS4D28BNP-220NC	22±30%	0.49	0.41	0.26	0.21	1.05	0.51
CLS4D28BNP-330NC	33±30%	0.42	0.35	0.21	0.18	0.82	0.40
CLS4D28BNP-470NC	47±30%	0.35	0.30	0.18	0.17	0.73	0.35

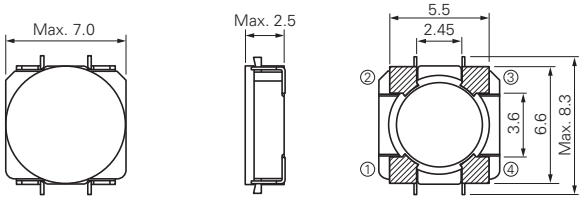
Other / その他
*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%. (Ta=20°C)
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%. (Ta=100°C)
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat（直流重畳電流）：インダクタンスが初期値から10%低下する直流電流値。(Ta=20℃)
*B Isat（直流重畳電流）：インダクタンスが初期値から10%低下する直流電流値。(Ta=100℃)
*C Irms（温度上昇電流）：コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CLS4D23B 0.25g
CLS4D28B 0.25g

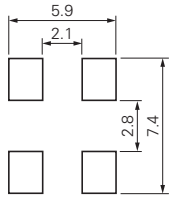
Packing Quantity / 梱包数量
CLS4D23B 2,000pcs/reel
CLS4D28B 2,000pcs/reel

CLS6D23

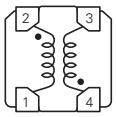
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



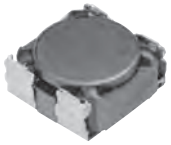
BOTTOM VIEW
裏面図

WIRE
線種

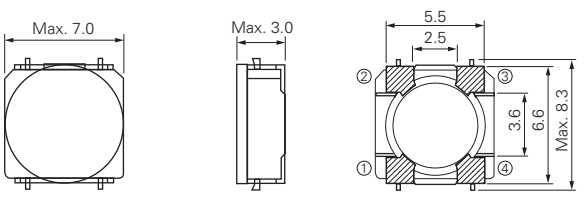
CONSTRUCTION
磁気構造図

Part No.	L (μH)	CLS6D23					
		Isat (A)				Irms (A)*C	
		2-1,4-3		2-3(1-4tie)		2-1,4-3	2-3(1-4tie)
	2-1,4-3	Condition1*A	Condition2*B	Condition3*A	Condition4*B	Condition5	Condition6
CLS6D23NP-1R0NC	1.0±30%	4.10	3.08	2.05	1.54	2.10	1.00
CLS6D23NP-1R5NC	1.5±30%	3.36	2.52	1.73	1.30	1.95	0.93
CLS6D23NP-2R0NC	2.0±30%	3.04	2.28	1.52	1.14	1.78	0.85
CLS6D23NP-3R0NC	3.0±30%	2.40	1.80	1.22	0.92	1.60	0.76
CLS6D23NP-4R6NC	4.6±30%	1.87	1.40	0.92	0.69	1.23	0.58
CLS6D23NP-6R8NC	6.8±30%	1.56	1.17	0.78	0.59	0.91	0.43
CLS6D23NP-100NC	10±30%	1.26	0.95	0.65	0.49	0.80	0.38
CLS6D23NP-150NC	15±30%	1.00	0.75	0.50	0.38	0.60	0.29
CLS6D23NP-220NC	22±30%	0.86	0.65	0.42	0.32	0.55	0.26
CLS6D23NP-330NC	33±30%	0.73	0.55	0.35	0.26	0.45	0.21
CLS6D23NP-470NC	47±30%	0.58	0.44	0.26	0.20	0.35	0.17
CLS6D23NP-680NC	68±30%	0.45	0.34	0.22	0.17	0.28	0.13
CLS6D23NP-101NC	100±30%	0.39	0.29	0.20	0.15	0.24	0.11

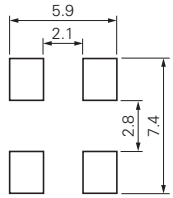
CLS6D28



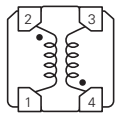
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



BOTTOM VIEW
裏面図

WIRE
線種

CONSTRUCTION
磁気構造図

Part No.	L (μH)	CLS6D28					
		Isat (A)				Irms (A)*C	
		2-1,4-3		2-3(1-4tie)		2-1,4-3	2-3(1-4tie)
	2-1,4-3	Condition1*A	Condition2*B	Condition3*A	Condition4*B	Condition5	Condition6
CLS6D28NP-1R2NC	1.2±30%	4.00	3.00	2.00	1.40	4.40	2.40
CLS6D28NP-1R8NC	1.8±30%	3.30	2.50	1.60	1.20	4.00	2.20
CLS6D28NP-2R5NC	2.5±30%	2.70	2.10	1.35	1.00	3.60	2.00
CLS6D28NP-3R3NC	3.3±30%	2.40	1.80	1.20	0.90	3.20	1.60
CLS6D28NP-4R7NC	4.7±30%	2.10	1.60	1.05	0.80	2.40	1.20
CLS6D28NP-6R8NC	6.8±30%	1.70	1.30	0.85	0.70	2.00	0.95
CLS6D28NP-100NC	10±30%	1.44	1.05	0.72	0.55	1.80	0.85
CLS6D28NP-150NC	15±30%	1.15	0.90	0.58	0.45	1.40	0.70
CLS6D28NP-220NC	22±30%	0.92	0.65	0.45	0.36	1.10	0.52
CLS6D28NP-330NC	33±30%	0.75	0.54	0.38	0.28	0.95	0.42
CLS6D28NP-470NC	47±30%	0.63	0.44	0.32	0.24	0.80	0.36
CLS6D28NP-680NC	68±30%	0.53	0.38	0.27	0.20	0.72	0.32
CLS6D28NP-101NC	100±30%	0.44	0.32	0.22	0.18	0.60	0.27
CLS6D28NP-121NC	120±30%	0.40	0.28	0.19	0.15	0.54	0.24

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%. (Ta=20°C)
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%. (Ta=100°C)
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から10%低下する直流電流値。(Ta=20℃)
*B Isat (直流重畳電流) : インダクタンスが初期値から10%低下する直流電流値。(Ta=100℃)
*C Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)

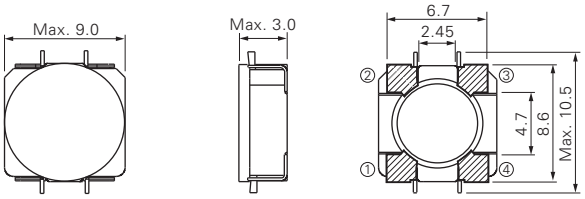
CLS6D23 0.4g
CLS6D28 0.52g

Packing Quantity / 梱包数量

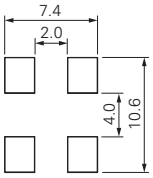
CLS6D23 2,000pcs/reel
CLS6D28 1,500pcs/reel

CLS8D28

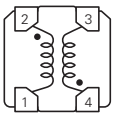
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



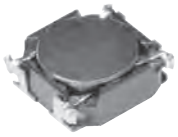
BOTTOM VIEW
裏面図

WIRE
線種

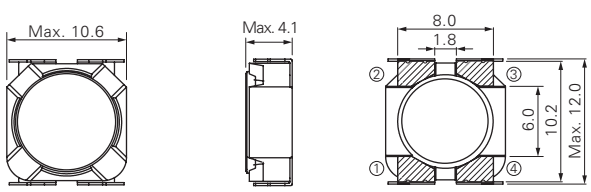
CONSTRUCTION
磁気構造図

Part No.	L (μH)	CLS8D28					
		Isat (A)				Irms (A)*C	
		2-1,4-3		2-3(1-4tie)		2-1,4-3	2-3(1-4tie)
	2-1,4-3	Condition1*A	Condition2*B	Condition3*A	Condition4*B	Condition5	Condition6
CLS8D28-1R0NC	1.0±30%	6.70	5.40	3.20	2.80	6.00	3.00
CLS8D28-1R6NC	1.6±30%	5.10	4.30	2.70	2.30	5.60	2.60
CLS8D28-2R2NC	2.2±30%	4.40	3.90	2.30	1.90	5.00	2.30
CLS8D28-3R3NC	3.3±30%	3.70	3.10	1.90	1.50	4.80	2.10
CLS8D28-4R5NC	4.5±30%	3.30	2.90	1.50	1.30	4.20	2.00
CLS8D28-6R8NC	6.8±30%	2.50	2.10	1.10	0.96	3.90	1.80
CLS8D28-100NC	10±30%	2.20	1.80	1.00	0.90	3.10	1.50
CLS8D28-150NC	15±30%	1.50	1.30	0.77	0.64	2.40	1.10
CLS8D28-220NC	22±30%	1.30	1.10	0.63	0.54	1.90	0.90
CLS8D28-330NC	33±30%	1.20	0.95	0.53	0.44	1.50	0.80
CLS8D28-470NC	47±30%	1.00	0.84	0.47	0.39	1.40	0.60
CLS8D28-680NC	68±30%	0.72	0.61	0.41	0.33	1.10	0.50
CLS8D28-101NC	100±30%	0.58	0.51	0.31	0.28	0.92	0.40
CLS8D28-151NC	150±30%	0.47	0.40	0.24	0.22	0.76	0.32
CLS8D28-221NC	220±30%	0.41	0.35	0.19	0.17	0.56	0.28

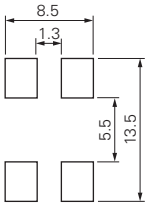
CLS104



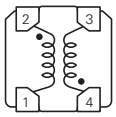
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



BOTTOM VIEW
裏面図

WIRE
線種

CONSTRUCTION
磁気構造図

Part No.	L (μH)	CLS104					
		Isat (A)				Irms (A)*C	
		2-1,4-3		2-3(1-4tie)		2-1,4-3	2-3(1-4tie)
	2-1,4-3	Condition1*A	Condition2*B	Condition3*A	Condition4*B	Condition5	Condition6
CLS104-1R2NC	1.2±30%	6.50	4.00	2.80	2.40	5.80	2.80
CLS104-2R9NC	2.9±30%	5.80	3.20	2.40	2.10	4.50	2.40
CLS104-4R1NC	4.1±30%	3.00	2.30	2.10	1.90	3.60	1.80
CLS104-6R8NC	6.8±30%	2.80	2.10	1.30	1.10	3.20	1.60
CLS104-100NC	10±30%	2.30	1.60	1.20	1.00	2.40	1.20
CLS104-150NC	15±30%	1.70	1.40	1.10	0.70	2.00	1.00
CLS104-210NC	21±30%	1.40	1.00	0.80	0.60	1.80	0.90

Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%. (Ta=20°C)
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%. (Ta=100°C)
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から10%低下する直流電流値。(Ta=20℃)
*B Isat (直流重畳電流) : インダクタンスが初期値から10%低下する直流電流値。(Ta=100℃)
*C Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

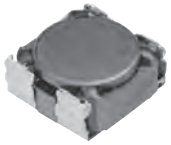
Weight (Ref.) / 重量(参考値)

CLS8D28 0.88g
CLS104 1.43g

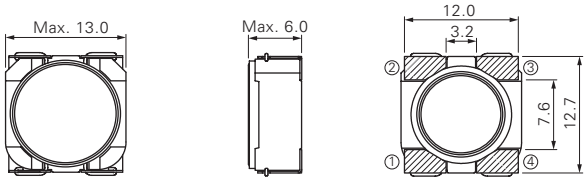
Packing Quantity / 梱包数量

CLS8D28 1,000pcs/reel
CLS104 500pcs/reel

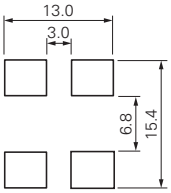
CLS125



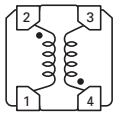
DIMENSIONS (mm)
外形寸法図



LAND PATTERN (mm)
推奨ランド寸法



CONNECTION
端子接続



BOTTOM VIEW
裏面図

WIRE
線種

CONSTRUCTION
磁気構造図

Part No.	L (μH)	CLS125					
		Isat (A)				Irms (A)*C	
		2-1,4-3		2-3(1-4tie)		2-1,4-3	2-3(1-4tie)
	2-1,4-3	Condition1*A	Condition2*B	Condition3*A	Condition4*B	Condition5	Condition6
CLS125-1R2NC	1.2±30%	13.0	12.0	6.80	6.00	10.3	4.65
CLS125-2R0NC	2.0±30%	10.2	8.80	5.30	4.60	9.84	4.10
CLS125-3R0NC	3.0±30%	8.50	7.40	4.50	3.80	8.80	4.08
CLS125-5R6NC	5.6±30%	6.40	5.50	3.00	2.60	6.90	3.25
CLS125-7R0NC	7.0±30%	5.70	4.80	2.90	2.50	6.60	2.88
CLS125-110NC	11±30%	4.80	4.00	2.20	1.80	4.62	2.20
CLS125-150NC	15±30%	4.00	3.20	1.80	1.50	4.30	1.92
CLS125-230NC	23±30%	2.90	2.70	1.70	1.40	3.35	1.53
CLS125-380NC	38±30%	2.60	2.20	1.30	1.10	2.80	1.30
CLS125-500NC	50±30%	2.20	2.00	0.90	0.80	2.16	1.00
CLS125-750NC	75±30%	1.80	1.50	0.80	0.70	1.78	0.80
CLS125-111NC	110±30%	1.40	1.30	0.70	0.60	1.50	0.72

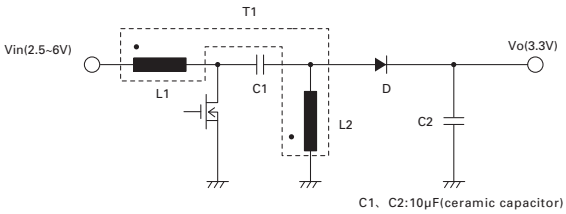
Other / その他

*A Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%. (Ta=20°C)
*B Isat (Saturation Current) : "Isat (A)" that will cause initial inductance value to drop approximately 10%. (Ta=100°C)
*C Irms (Temperature Rise Current) : "Irms (A)" that will cause an approximate ⊿T = 40°C (Ta=20°C)
*A Isat (直流重畳電流) : インダクタンスが初期値から10%低下する直流電流値。(Ta=20℃)
*B Isat (直流重畳電流) : インダクタンスが初期値から10%低下する直流電流値。(Ta=100℃)
*C Irms (温度上昇電流) : コイルの温度上昇値が⊿T=40℃になる直流電流値。(Ta=20℃)

Weight (Ref.) / 重量(参考値)
CLS125 3.8g

Packing Quantity / 梱包数量
CLS125 500pcs/reel

- **SEPIC converter schematic** / SEPICコンバータの回路図



C1、C2:10μF(ceramic capacitor)

MEMO

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