

# PIN Power Inductor

## YRCH114/DS



### 特性

- Ferrite drum core construction
- Magnetically unshielded
- L × W × H: 10.5 × 10.5 × 14.4mm Max.
- Product weight: 4.3g (Ref.)
- Moisture Sensitivity Level: 1



### 環境データ

- Storage temperature range: -40°C ~ +105°C
- Operating temperature range: -40°C ~ +105°C (including coil's temperature rise)

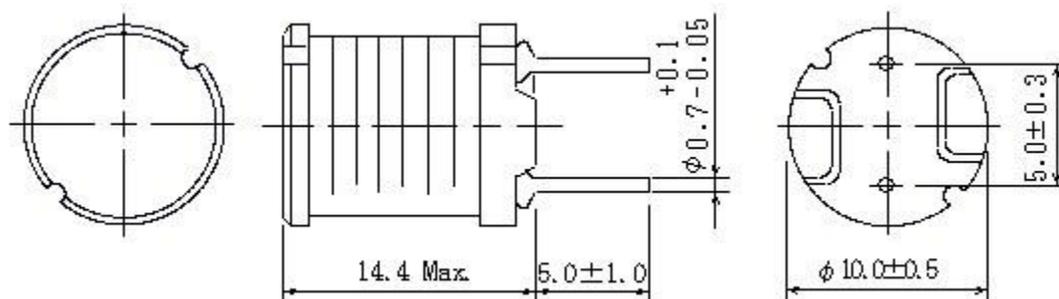
### 梱包

- Pallet packaging (130pcs/pallet)

### 用途

- Printers, LCD TV, DVD, copy machine, main board of the compounding machines etc. as DC-DC converter inductors

### 外形寸法 - [mm]



### 結線図





## 電氣的特性

品名	インダクタンス範囲 ( $\mu$ H) ※1	D.C.R. (m $\Omega$ ) 20°C Max.(Typ.)	直流重畳電流 (A) Max.(Typ.) ※2	温度上昇電流 (A) Max.(Typ.) ※3
YRCH114DS-6R3MB	6.30 $\pm$ 20%	26.00 (20.00)	8.20 (9.20)	(5.60)
YRCH114DS-7R5MB	7.50 $\pm$ 20%	29.00 (22.00)	7.70 (8.60)	(5.40)
YRCH114DS-8R8MB	8.80 $\pm$ 20%	30.00 (23.00)	7.00 (7.80)	(5.00)
YRCH114DS-100KB	10.00 $\pm$ 10%	33.00 (25.00)	6.70 (7.50)	(4.80)
YRCH114DS-120KB	12.00 $\pm$ 10%	35.00 (27.00)	5.90 (6.60)	(4.60)
YRCH114DS-150KB	15.00 $\pm$ 10%	39.00 (30.00)	5.30 (5.90)	(4.40)
YRCH114DS-180KB	18.00 $\pm$ 10%	47.00 (36.00)	4.90 (5.50)	(4.20)
YRCH114DS-220KB	22.00 $\pm$ 10%	51.00 (39.00)	4.50 (5.00)	(4.00)
YRCH114DS-270KB	27.00 $\pm$ 10%	57.00 (44.00)	4.00 (4.50)	(3.70)
YRCH114DS-330KB	33.00 $\pm$ 10%	64.00 (49.00)	3.70 (4.20)	(3.60)
YRCH114DS-390KB	39.00 $\pm$ 10%	74.00 (57.00)	3.30 (3.70)	(3.30)
YRCH114DS-470KB	47.00 $\pm$ 10%	83.00 (64.00)	3.00 (3.40)	(3.10)
YRCH114DS-560KB	56.00 $\pm$ 10%	104 (80.00)	2.70 (3.10)	(2.70)
YRCH114DS-680KB	68.00 $\pm$ 10%	117 (90.00)	2.50 (2.80)	(2.50)
YRCH114DS-820KB	82.00 $\pm$ 10%	130 (100)	2.30 (2.60)	(2.40)
YRCH114DS-101KB	100 $\pm$ 10%	143 (110)	1.90 (2.20)	(2.30)
YRCH114DS-121KB	120 $\pm$ 10%	195 (150)	1.80 (2.00)	(2.10)
YRCH114DS-151KB	150 $\pm$ 10%	221 (170)	1.70 (1.90)	(1.90)
YRCH114DS-181KB	180 $\pm$ 10%	260 (200)	1.50 (1.72)	(1.80)
YRCH114DS-221KB	220 $\pm$ 10%	350 (270)	1.30 (1.50)	(1.68)
YRCH114DS-271KB	270 $\pm$ 10%	390 (300)	1.20 (1.36)	(1.50)
YRCH114DS-331KB	330 $\pm$ 10%	520 (400)	1.10 (1.22)	(1.30)
YRCH114DS-391KB	390 $\pm$ 10%	570 (440)	0.97 (1.08)	(1.25)
YRCH114DS-471KB	470 $\pm$ 10%	650 (500)	0.95 (1.05)	(1.19)
YRCH114DS-561KB	560 $\pm$ 10%	790 (610)	0.86 (0.95)	(1.04)
YRCH114DS-681KB	680 $\pm$ 10%	960 (740)	0.78 (0.88)	(0.85)
YRCH114DS-821KB	820 $\pm$ 10%	1220 (940)	0.70 (0.78)	(0.79)
YRCH114DS-102KB	1000 $\pm$ 10%	1600 (1300)	0.62 (0.69)	(0.68)
YRCH114DS-122KB	1200 $\pm$ 10%	2200 (1800)	0.58 (0.66)	(0.65)
YRCH114DS-152KB	1500 $\pm$ 10%	2500 (2000)	0.55 (0.61)	(0.60)
YRCH114DS-182KB	1800 $\pm$ 10%	2900 (2300)	0.50 (0.55)	(0.50)
YRCH114DS-222KB	2200 $\pm$ 10%	3200 (2600)	0.43 (0.48)	(0.46)
YRCH114DS-272KB	2700 $\pm$ 10%	3700 (3000)	0.39 (0.43)	(0.43)
YRCH114DS-332KB	3300 $\pm$ 10%	5000 (4000)	0.36 (0.40)	(0.37)



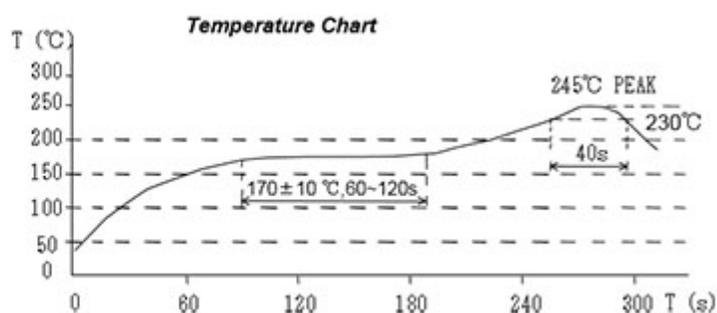
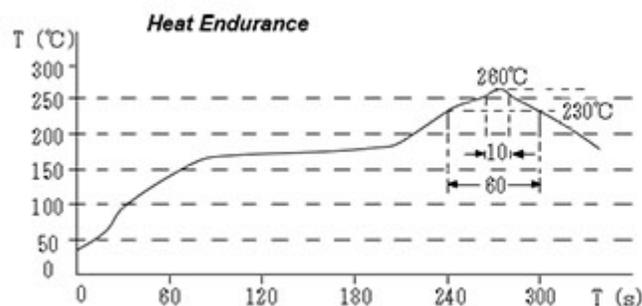
品名	インダクタンス範囲 ( $\mu$ H) ※1	D.C.R. (m $\Omega$ ) 20°C Max.(Typ.)	直流重畳電流 (A) Max.(Typ.) ※2	温度上昇電流 (A) Max.(Typ.) ※3
YRCH114DS-392KB	3900 $\pm$ 10%	5600 (4500)	0.32 (0.36)	(0.36)
YRCH114DS-472KB	4700 $\pm$ 10%	7400 (5900)	0.31 (0.35)	(0.31)
YRCH114DS-562KB	5600 $\pm$ 10%	8200 (6600)	0.28 (0.31)	(0.30)
YRCH114DS-682KB	6800 $\pm$ 10%	11900 (9500)	0.25 (0.28)	(0.26)
YRCH114DS-822KB	8200 $\pm$ 10%	1400 (1100)	0.23 (0.25)	(0.24)
YRCH114DS-103KB	10000 $\pm$ 10%	1600 (1300)	0.20 (0.22)	(0.23)
YRCH114DS-123KB	12000 $\pm$ 10%	2100 (1700)	0.19 (0.21)	(0.20)
YRCH114DS-153KB	15000 $\pm$ 10%	2400 (1900)	0.16 (0.18)	(0.19)
YRCH114DS-183KB	18000 $\pm$ 10%	2700 (2200)	0.15 (0.17)	(0.18)
YRCH114DS-223KB	22000 $\pm$ 10%	3400 (2700)	0.14 (0.16)	(0.16)
YRCH114DS-273KB	27000 $\pm$ 10%	3900 (3100)	0.13 (0.14)	(0.15)
YRCH114DS-333KB	33000 $\pm$ 10%	5100 (4100)	0.12 (0.13)	(0.14)
YRCH114DS-393KB	39000 $\pm$ 10%	5800 (4600)	0.11 (0.12)	(0.12)

※1 Measuring frequency inductance at 6.3  $\mu$ H $\sim$ 8.8  $\mu$ H at 7.96MHz, 10  $\mu$ H $\sim$ 39mH at 1.0kHz.

※2 Saturation current: This indicates the value of D.C. current when the inductance becomes 10% lower than its initial value.

※3 Temperature rise current: The actual value of D.C. current when the temperature of coil becomes  $\Delta T=40^{\circ}\text{C}$ ( $T_a=20^{\circ}\text{C}$ ).

### はんだリフロー条件



# PIN Power Inductor

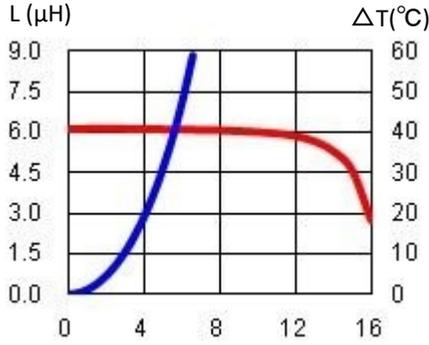
## YRCH114/DS



### 直流重畳電流・温度上昇電流グラフ

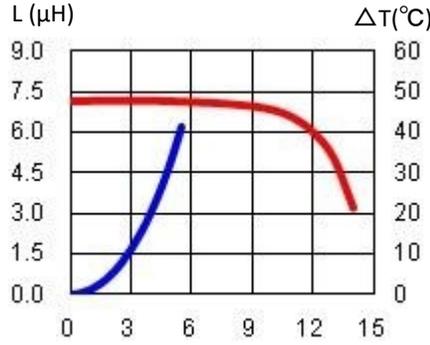
— L (20°C)      —  $\Delta T$

1. YRCH114DS-6R3MB



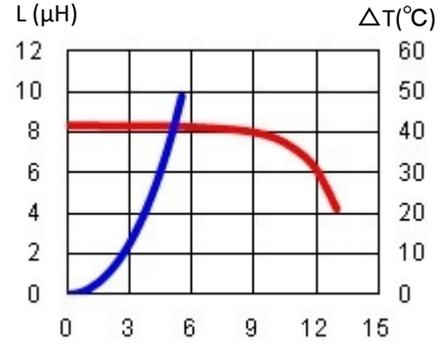
DC(A)

2. YRCH114DS-7R5MB



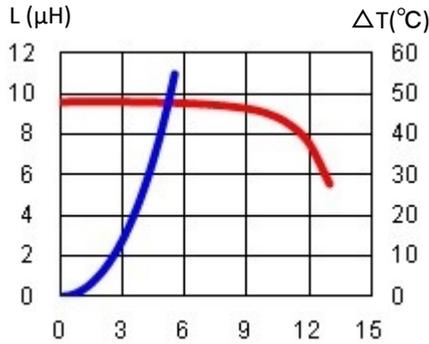
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3. YRCH114DS-8R8MB



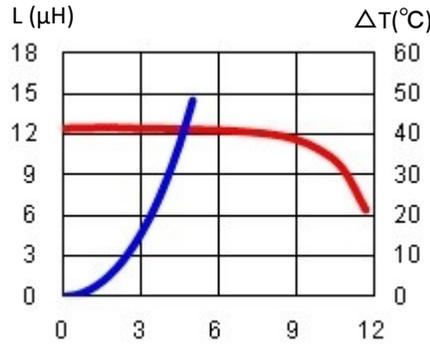
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4. YRCH114DS-100KB



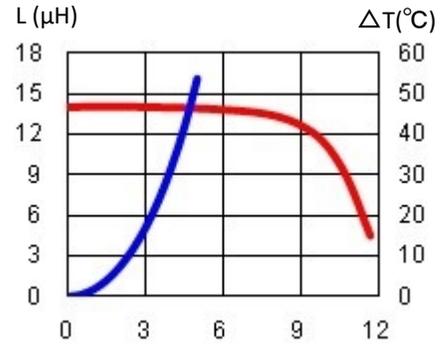
DC(A)

5. YRCH114DS-120KB



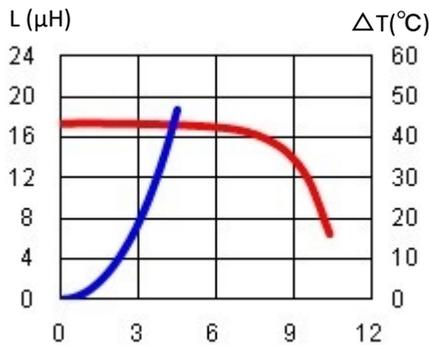
DC(A)

6. YRCH114DS-150KB



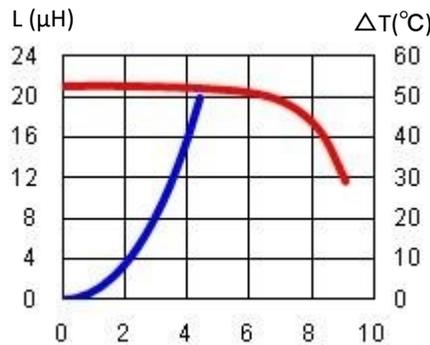
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7. YRCH114DS-180KB



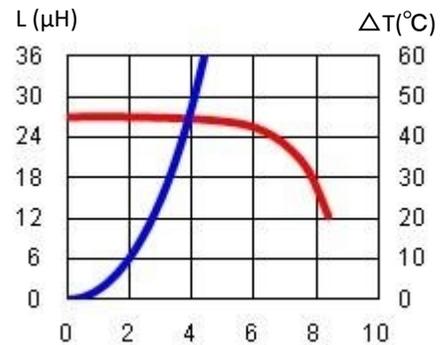
DC(A)

8. YRCH114DS-220KB



DC(A)

9. YRCH114DS-270KB



DC(A)

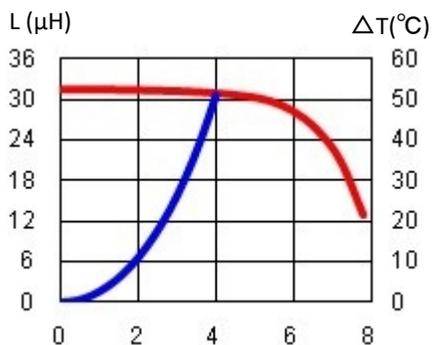
備考: 本仕様書は、製品の改善等により記載内容を予告なく変更することがありますのでご了承ください。また、ご注文の際のお問い合わせは、最寄りの地域営業へご連絡ください。

# PIN Power Inductor

## YRCH114/DS

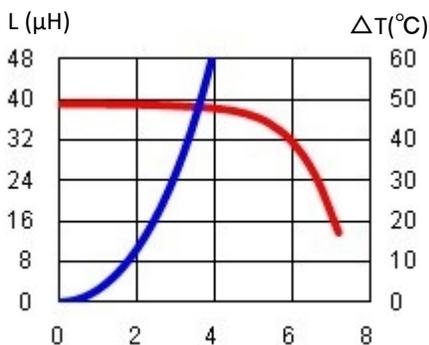


10. YRCH114DS-330KB



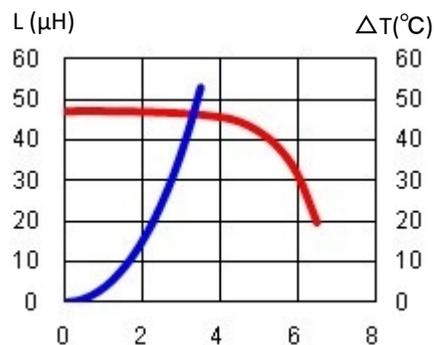
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11. YRCH114DS-390KB



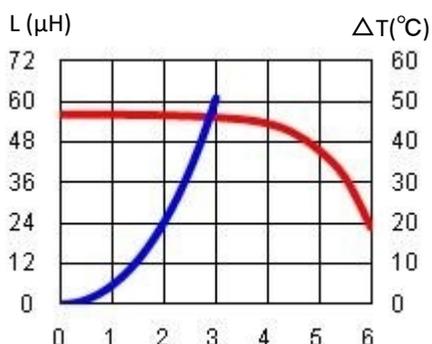
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12. YRCH114DS-470KB



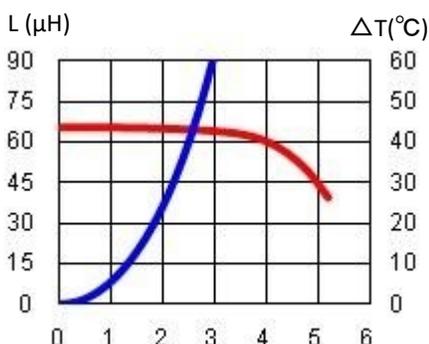
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13. YRCH114DS-560KB



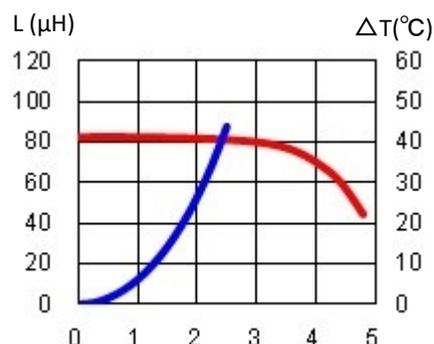
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14. YRCH114DS-680KB



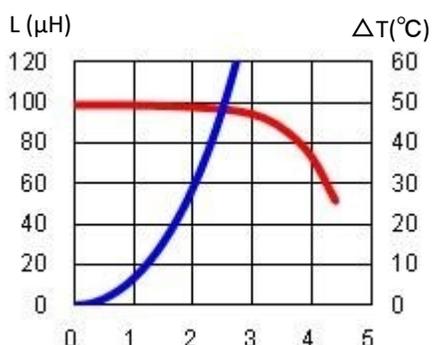
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15. YRCH114DS-820KB



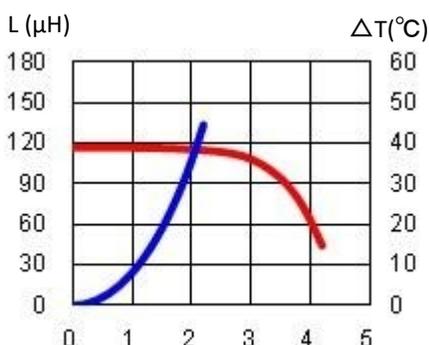
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16. YRCH114DS-101KB



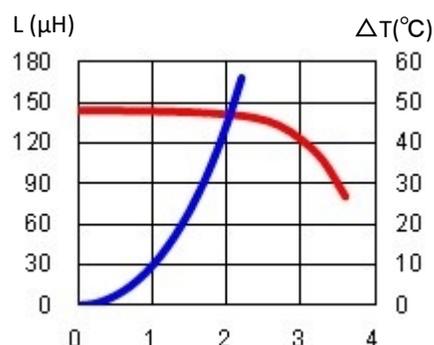
DC(A)

17. YRCH114DS-121KB



DC(A)

18. YRCH114DS-151KB



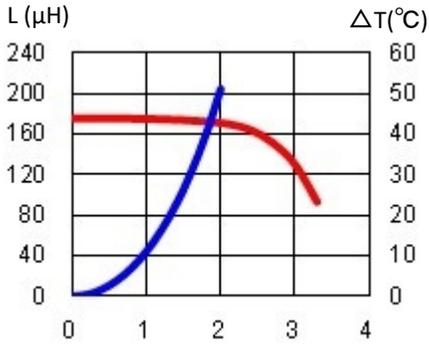
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# PIN Power Inductor

## YRCH114/DS

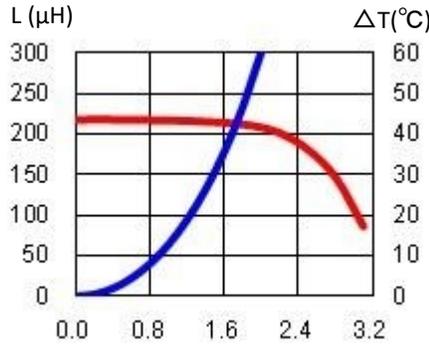


19. YRCH114DS-181KB



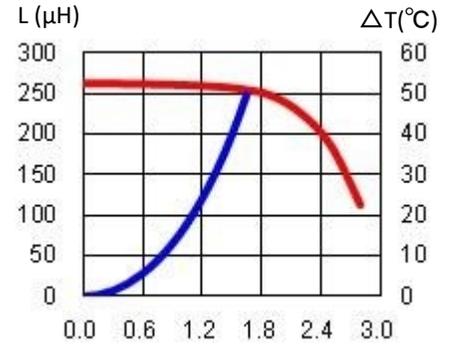
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20. YRCH114DS-221KB



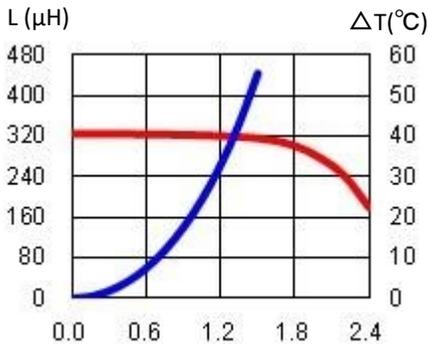
DC(A)

21. YRCH114DS-271KB



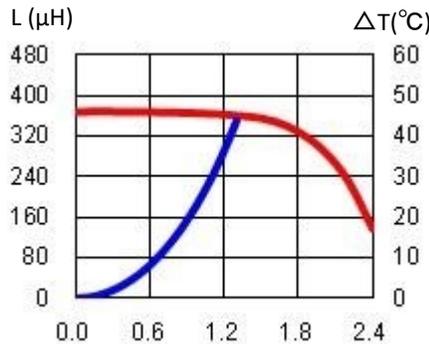
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22. YRCH114DS-331KB



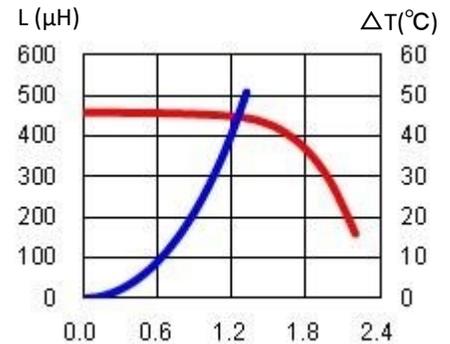
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23. YRCH114DS-391KB



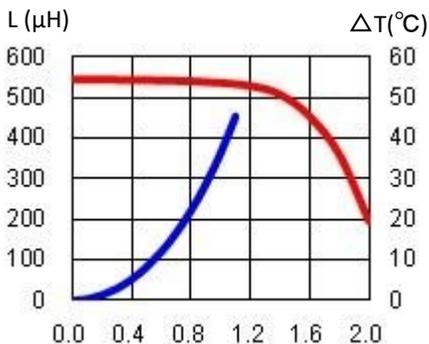
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24. YRCH114DS-471KB



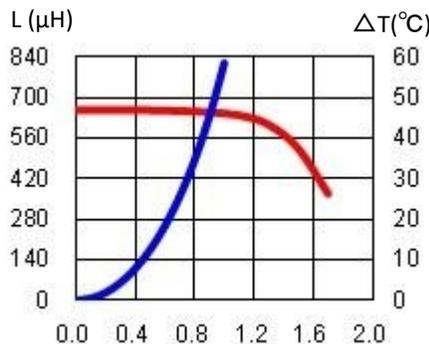
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25. YRCH114DS-561KB



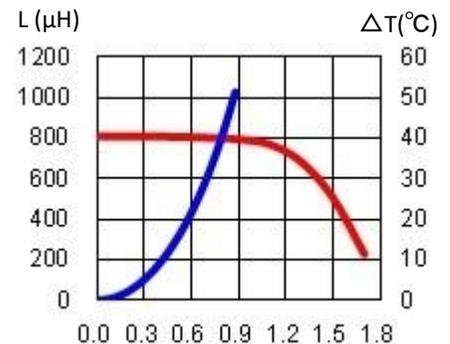
DC(A)

26. YRCH114DS-681KB



DC(A)

27. YRCH114DS-821KB



DC(A)

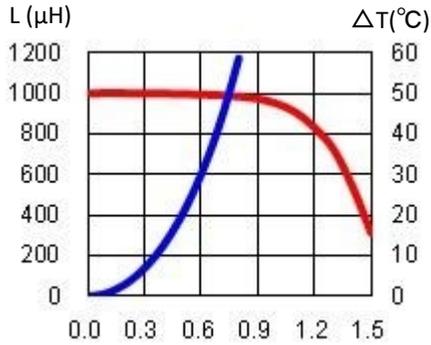
# PIN Power Inductor

## YRCH114/DS



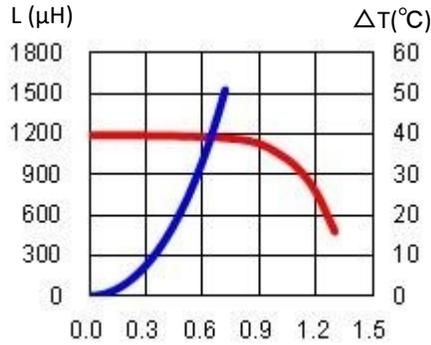
注目の製品

28. YRCH114DS-102KB



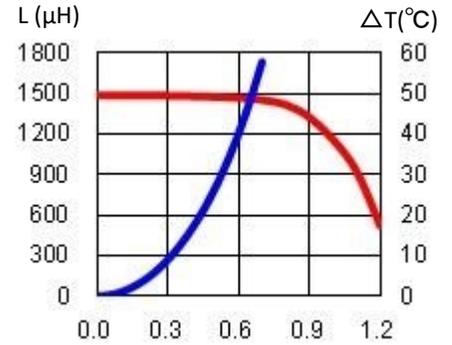
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29. YRCH114DS-122KB



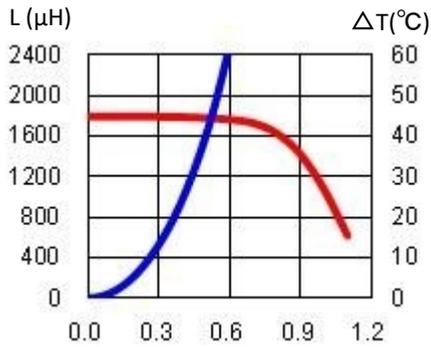
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30. YRCH114DS-152KB



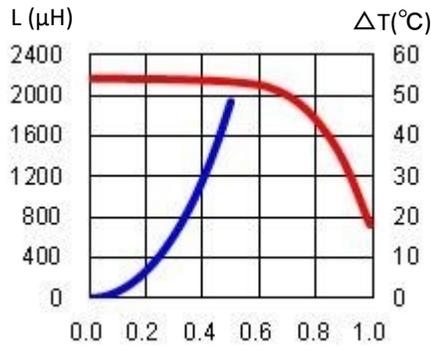
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31. YRCH114DS-182KB



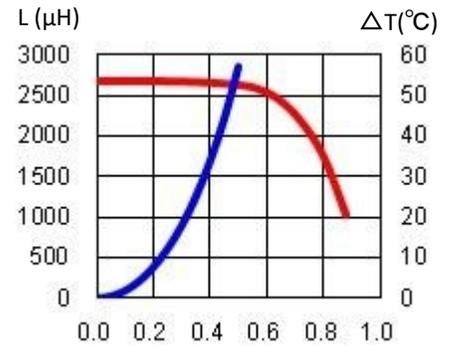
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32. YRCH114DS-222KB



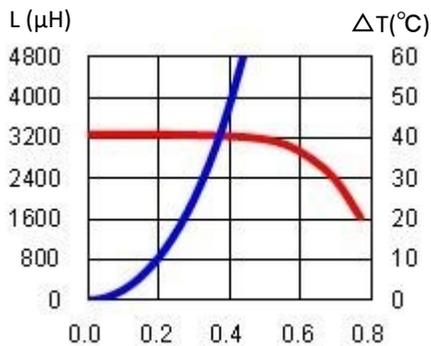
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33. YRCH114DS-272KB



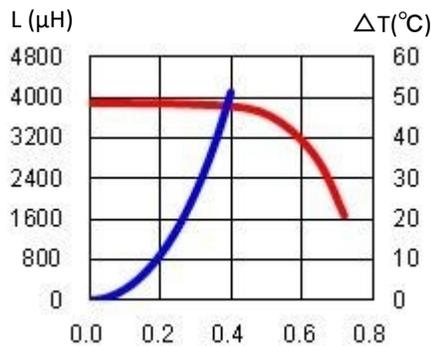
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34. YRCH114DS-332KB



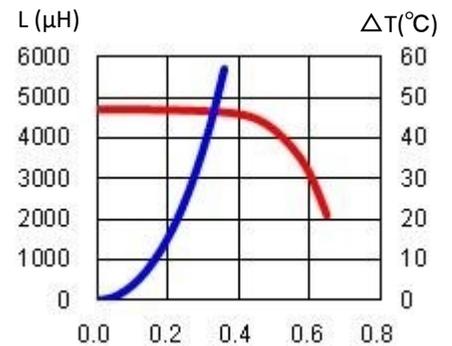
DC(A)

35. YRCH114DS-392KB



DC(A)

36. YRCH114DS-472KB



DC(A)

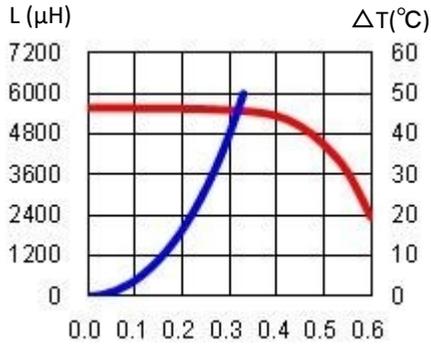
# PIN Power Inductor

## YRCH114/DS



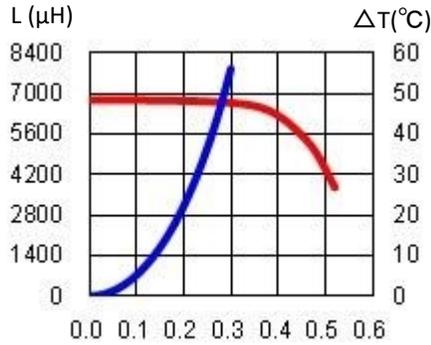
注目の製品

37. YRCH114DS-562KB



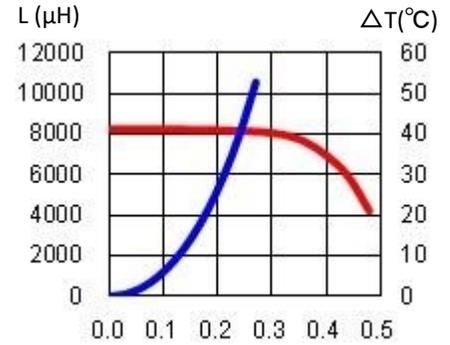
DC(A)

38. YRCH114DS-682KB



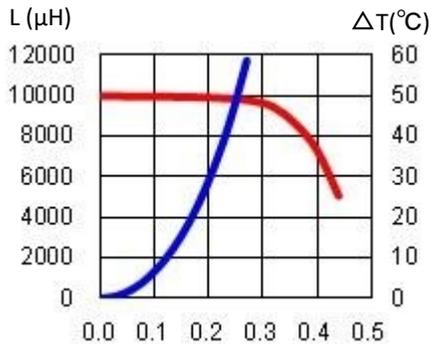
DC(A)

39. YRCH114DS-822KB



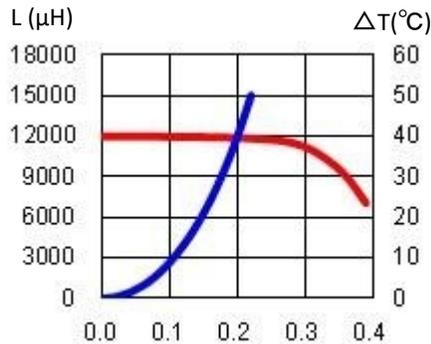
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40. YRCH114DS-103KB



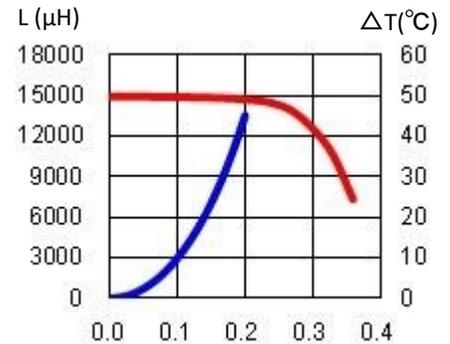
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41. YRCH114DS-123KB



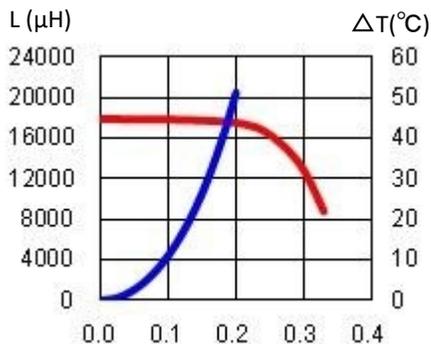
DC(A)

42. YRCH114DS-153KB



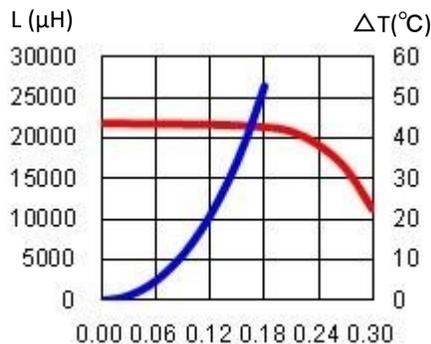
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43. YRCH114DS-183KB



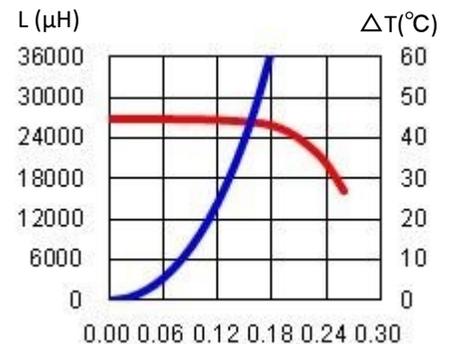
DC(A)

44. YRCH114DS-223KB



DC(A)

45. YRCH114DS-273KB



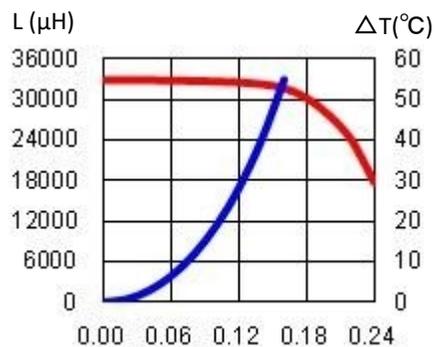
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# PIN Power Inductor

## YRCH114/DS

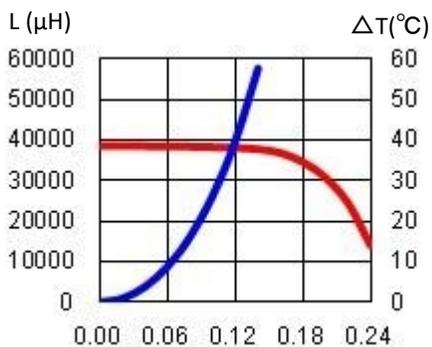


46. YRCH114DS-333KB



DC(A)

47. YRCH114DS-393KB



DC(A)



営業所情報のために、当社のウェブサイトを訪問する [ここをクリック](#) してください。