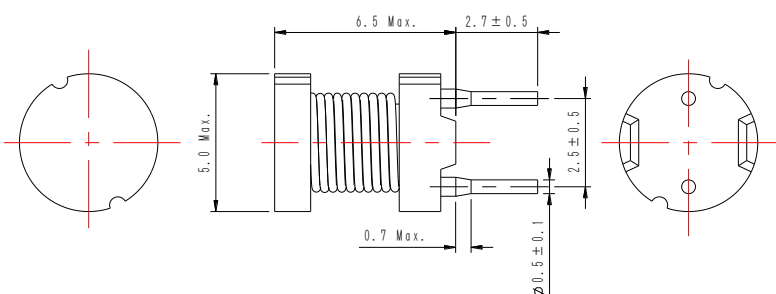


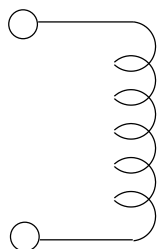
# PIN Power Inductor RCH4764B



## Dimension - [mm]



## Connection - [mm]



## Description

- Ferrite drum core construction.
- Magnetically unshielded.
- L × W × H: 5.0 × 5.0 × 6.5mm Max.
- Product weight: 0.5 g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

## Environmental Data

- Operating temperature range: -20°C ~ +105°C (including coil's self temperature rise)
- Storage temperature range: -20°C ~ +85°C

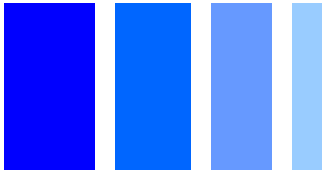
## Packaging

- Box packaging.

## Applications

- Ideally used in Printers, LCD TV, DVD, Copy Machine, Mainboard of the compounding machines etc. as DC-DC Converter inductors.

PIN Power Inductor  
RCH4764B



Electrical Characteristics

| Part No.        | Stamp | Inductance<br>[Within]<br>※1 | D. C. R.<br>(Ω)<br>Max. (typ.)<br>(at 20℃) | Saturation current<br>(at 20℃) (A)<br>※3 | Temperature<br>rise current<br>(A)<br>※4 |
|-----------------|-------|------------------------------|--------------------------------------------|------------------------------------------|------------------------------------------|
| RCH4764BNP-1R5M | C     | 1.5 μH±20%                   | 30m(22m)                                   | 5.8                                      | 3.3                                      |
| RCH4764BNP-2R7M | E     | 2.7 μH±20%                   | 40m(29m)                                   | 4.8                                      | 2.7                                      |
| RCH4764BNP-3R9M | H     | 3.9 μH±20%                   | 48m(35m)                                   | 3.8                                      | 2.5                                      |
| RCH4764BNP-6R8M | L     | 6.8 μH±20%                   | 64m(47m)                                   | 2.8                                      | 2.3                                      |
| RCH4764BNP-100M | N     | 10 μH±20%                    | 100m(74m)                                  | 2.4                                      | 1.5                                      |
| RCH4764BNP-220M | S     | 22 μH±20%                    | 183m(147m)                                 | 1.7                                      | 1.2                                      |
| RCH4764BNP-390M | V     | 39 μH±20%                    | 281m(225m)                                 | 1.1                                      | 1.0                                      |
| RCH4764BNP-680K | Y     | 68 μH±10%                    | 537m(430m)                                 | 0.9                                      | 0.72                                     |
| RCH4764BNP-101K | A     | 100 μH±10%                   | 843m(675m)                                 | 0.78                                     | 0.58                                     |
| RCH4764BNP-271K | F     | 270 μH±10%                   | 2.41(1.93)                                 | 0.48                                     | 0.31                                     |
| RCH4764BNP-391K | H     | 390 μH±10%                   | 3.36(2.69)                                 | 0.39                                     | 0.25                                     |
| RCH4764BNP-681K | L     | 680 μH±10%                   | 5.56(4.45)                                 | 0.30                                     | 0.18                                     |
| RCH4764BNP-102K | N     | 1.0mH±10%                    | 8.25(6.60)                                 | 0.24                                     | 0.16                                     |

※1: Inductance measuring condition:1.5uH～6.8uH at 100KHz ; 10uH～1.0mH at 1kHz  
※2. Saturation current: The value of D.C. current when the inductance decreases to 90% of it's nominal value.  
※3. Temperature rise current: The value of D.C. current when the temperature rise is ΔT=40℃(Ta=20℃).

# PIN Power Inductor

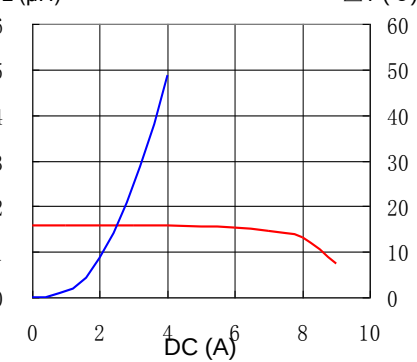
## RCH4764B



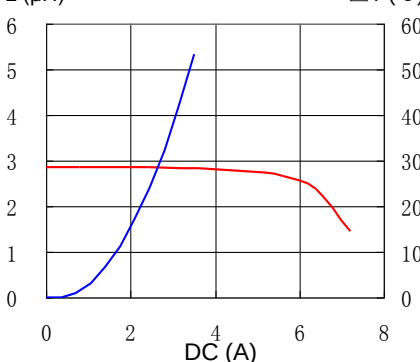
### Saturation Current & Temperature Rise Graph

— L (20°C) —  $\Delta T$

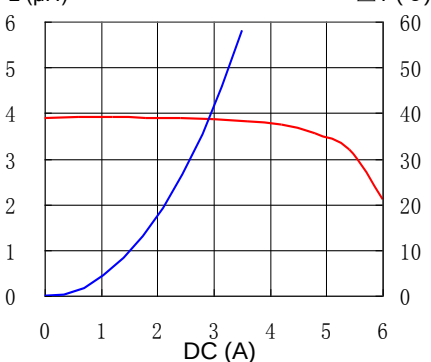
1. RCH4764BNP-1R5M



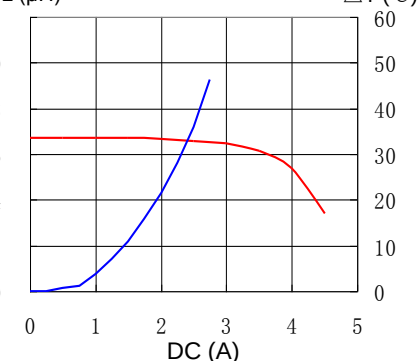
2. RCH4764BNP-2R7M



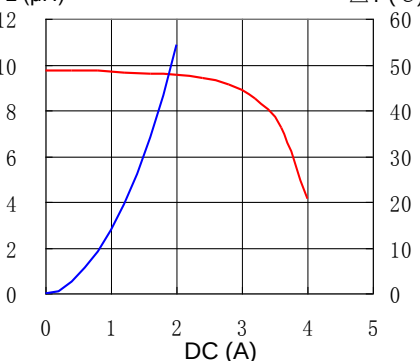
3. RCH4764BNP-3R9M



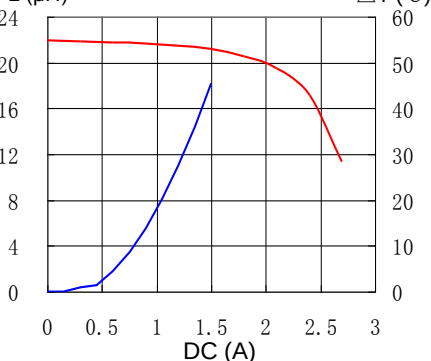
4. RCH4764BNP-6R8M



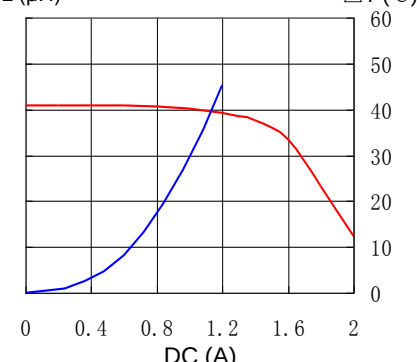
5. RCH4764BNP-100M



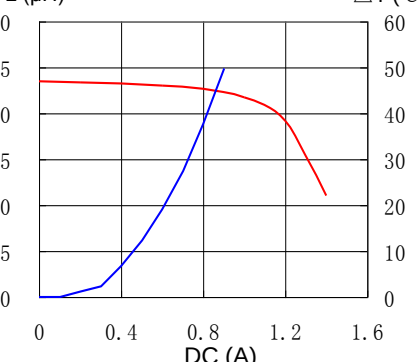
6. RCH4764BNP-220M



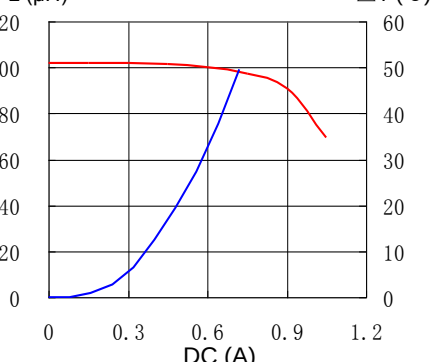
7. RCH4764BNP-390M



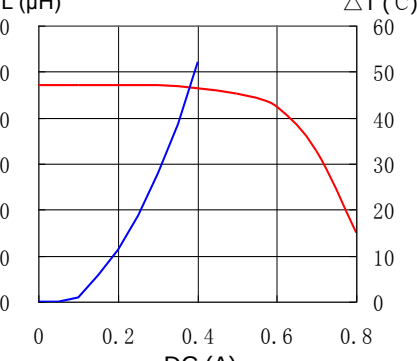
8. RCH4764BNP-680M



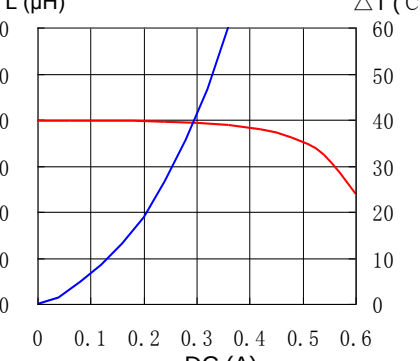
9. RCH4764BNP-101K



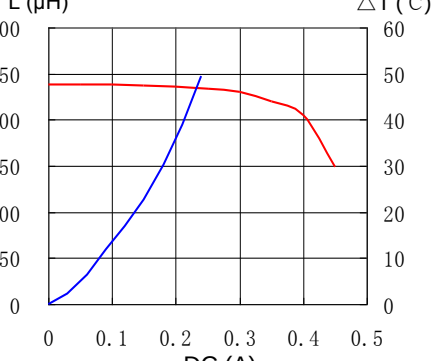
10. RCH4764BNP-271K



11. RCH4764BNP-391K



12. RCH4764BNP-681K

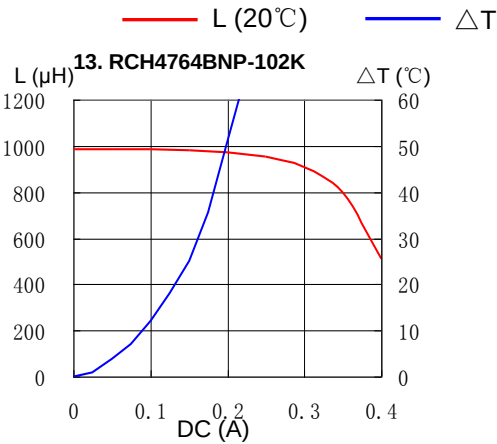


# PIN Power Inductor

## RCH4764B



Saturation Current & Temperature Rise Graph



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