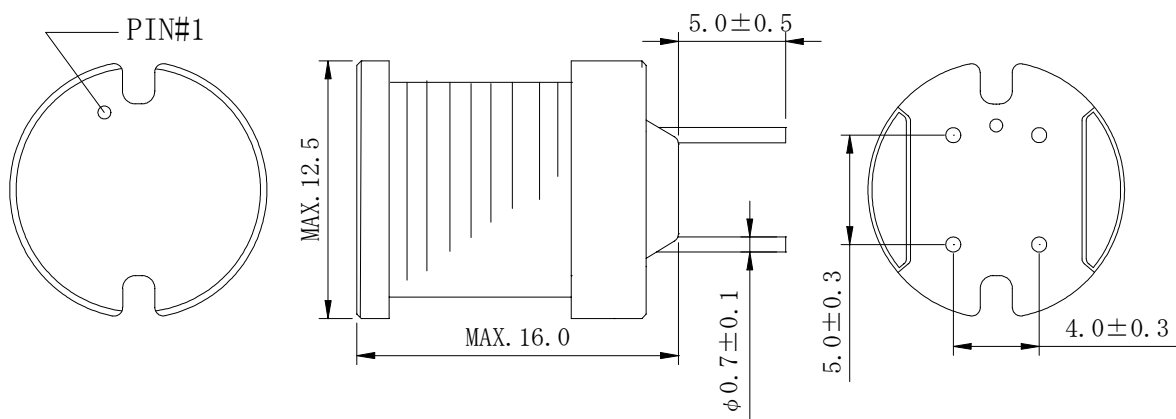
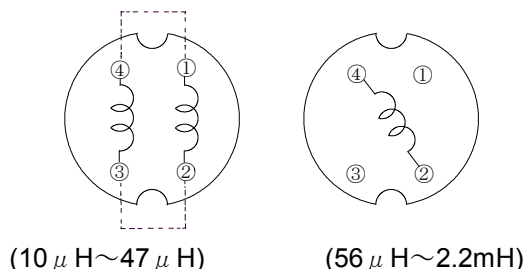


**Type: RCH1216B**
**◆ Product Description**

- 12.5mm Max.φ, 16.0mm Max. Height.
- Inductance range: 10  $\mu$  H~2.2mH
- Rated current range:0.41~5.0A
- In addition to the standard versions of inductors shown here, custom inductors are available to meet your exact requirements.


**◆ Feature**

- Magnetically unshielded construction.
- Ideally used in Printers, LCD TV, DVD, Printer, Copy Machine, Mainboard of the compounding machines, etc as Power Supplies's Inductors or DC-DC Converter inductors.
- RoHS Compliance

**◆ Dimensions (mm)**

**◆ Schematics (Bottom)**


- ※ To be connected between #1 and #4, #2 and #3 (10  $\mu$  H~47  $\mu$  H) when using.
- ※ It is no matter for the electric characteristics if terminal 1 is connected to terminal 4, terminal 2 is connected to terminal 3 with solder. (On the bottom of drum core) (10  $\mu$  H~47  $\mu$  H).

**Type: RCH1216B**
**◆ Specification**

| Part Name       | Stamp | Inductance<br>[Within]<br>(at 1kHz) | D.C.R. (Ω)<br>Max.(Typ.)<br>(at 20℃)※1 | Saturation<br>Current (A) ※1 |         | Temperature<br>Rise Current<br>(A) ※2 |
|-----------------|-------|-------------------------------------|----------------------------------------|------------------------------|---------|---------------------------------------|
|                 |       |                                     |                                        | at 20℃                       | at 100℃ |                                       |
| RCH1216BNP-100M | 100M  | 10 μH ±20%                          | 24m(19m)                               | 9.00                         | 8.00    | 5.00                                  |
| RCH1216BNP-120M | 120M  | 12 μH ±20%                          | 26m(21m)                               | 7.80                         | 7.00    | 4.60                                  |
| RCH1216BNP-150M | 150M  | 15 μH ±20%                          | 29m(23m)                               | 7.20                         | 6.20    | 4.40                                  |
| RCH1216BNP-180M | 180M  | 18 μH ±20%                          | 33m(26m)                               | 6.75                         | 5.80    | 4.20                                  |
| RCH1216BNP-220M | 220M  | 22 μH ±20%                          | 37m(29m)                               | 6.00                         | 5.30    | 4.00                                  |
| RCH1216BNP-270M | 270M  | 27 μH ±20%                          | 41m(32m)                               | 5.50                         | 4.80    | 3.80                                  |
| RCH1216BNP-330M | 330M  | 33 μH ±20%                          | 46m(36m)                               | 5.00                         | 4.50    | 3.60                                  |
| RCH1216BNP-390M | 390M  | 39 μH ±20%                          | 49m(39m)                               | 4.70                         | 4.10    | 3.30                                  |
| RCH1216BNP-470M | 470M  | 47 μH ±20%                          | 56m(44m)                               | 4.30                         | 3.80    | 3.20                                  |
| RCH1216BNP-560K | 560K  | 56 μH ±10%                          | 87m(69m)                               | 4.10                         | 3.70    | 2.70                                  |
| RCH1216BNP-680K | 680K  | 68 μH ±10%                          | 98m(78m)                               | 3.80                         | 3.30    | 2.40                                  |
| RCH1216BNP-820K | 820K  | 82 μH ±10%                          | 107m(85m)                              | 3.20                         | 2.90    | 2.25                                  |
| RCH1216BNP-101K | 101K  | 100 μH ±10%                         | 121m(96m)                              | 3.00                         | 2.70    | 2.15                                  |
| RCH1216BNP-121K | 121K  | 120 μH ±10%                         | 134m(107m)                             | 2.85                         | 2.60    | 2.05                                  |
| RCH1216BNP-151K | 151K  | 150 μH ±10%                         | 156m(124m)                             | 2.55                         | 2.35    | 1.90                                  |
| RCH1216BNP-181K | 181K  | 180 μH ±10%                         | 206m(164m)                             | 2.20                         | 2.05    | 1.65                                  |
| RCH1216BNP-221K | 221K  | 220 μH ±10%                         | 236m(188m)                             | 2.00                         | 1.85    | 1.55                                  |
| RCH1216BNP-271K | 271K  | 270 μH ±10%                         | 0.32(0.25)                             | 1.85                         | 1.70    | 1.40                                  |
| RCH1216BNP-331K | 331K  | 330 μH ±10%                         | 0.37(0.29)                             | 1.65                         | 1.53    | 1.30                                  |
| RCH1216BNP-391K | 391K  | 390 μH ±10%                         | 0.48(0.38)                             | 1.55                         | 1.35    | 1.05                                  |
| RCH1216BNP-471K | 471K  | 470 μH ±10%                         | 0.55(0.44)                             | 1.45                         | 1.25    | 1.00                                  |
| RCH1216BNP-561K | 561K  | 560 μH ±10%                         | 0.62(0.49)                             | 1.36                         | 1.18    | 0.95                                  |
| RCH1216BNP-681K | 681K  | 680 μH ±10%                         | 0.79(0.63)                             | 1.20                         | 1.06    | 0.82                                  |
| RCH1216BNP-821K | 821K  | 820 μH ±10%                         | 0.88(0.70)                             | 1.14                         | 0.97    | 0.75                                  |
| RCH1216BNP-102K | 102K  | 1.0mH ±10%                          | 1.13(0.90)                             | 1.00                         | 0.80    | 0.65                                  |
| RCH1216BNP-122K | 122K  | 1.2mH ±10%                          | 1.25(1.00)                             | 0.89                         | 0.76    | 0.61                                  |
| RCH1216BNP-152K | 152K  | 1.5mH ±10%                          | 1.52(1.26)                             | 0.85                         | 0.70    | 0.54                                  |
| RCH1216BNP-182K | 182K  | 1.8mH ±10%                          | 1.93(1.60)                             | 0.76                         | 0.63    | 0.46                                  |
| RCH1216BNP-222K | 222K  | 2.2mH ±10%                          | 2.52(2.10)                             | 0.65                         | 0.57    | 0.41                                  |

※1. Saturation current: The DC current at which the inductance decreases to 90% of it's initial value.

※2: Temperature rise current: The DC current at which the temperature rise is Δt=40℃.(Ta=20℃).