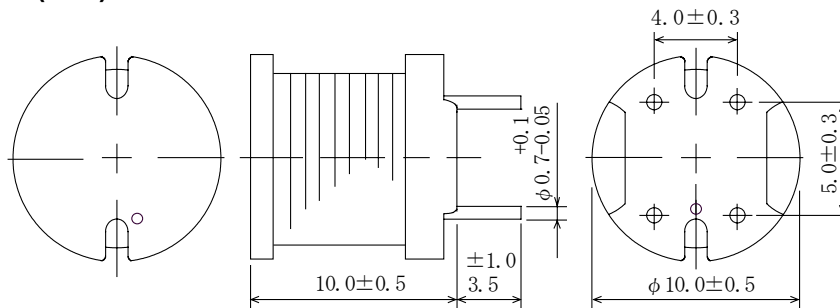
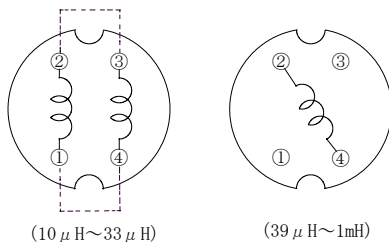


Type: RCH-110
◆ Product Description

- 10.5mm Max. ϕ , 10.5mm Max. Height.
- Inductance range: $10 \mu\text{H} \sim 1.0\text{mH}$
- Rated current range: $0.53 \sim 5.3\text{A}$
- 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' Inductors or DC-DC Converter inductors.
- RoHS Compliance

◆ Dimensions (mm)

◆ Schematics (Bottom)


- * To be connected between #1 and #4, #2 and #3 when used. ($10 \mu\text{H} \sim 33 \mu\text{H}$).
- * 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) ($10 \mu\text{H} \sim 33 \mu\text{H}$)

Type: RCH-110
◆ Specification

| Part Name | Stamp | Inductance (1kHz) | D.C.R.(Ω) [Max.] (20°C) | Rated Current (A)※1 | S.R.F. (MHz) Typ. | Mounting holes (mm) ※2 |
|---------------|-------|-----------------------|--|---------------------------|-------------------------|------------------------------|
| RCH110NP-100M | 100M | 10 μ H \pm 20% | 0.022 | 5.3 | 14 | 1.4 |
| RCH110NP-120M | 120M | 12 μ H \pm 20% | 0.023 | 4.9 | 11 | 1.4 |
| RCH110NP-150M | 150M | 15 μ H \pm 20% | 0.026 | 4.4 | 7.7 | 1.4 |
| RCH110NP-180M | 180M | 18 μ H \pm 20% | 0.033 | 4.0 | 7.1 | 1.2 |
| RCH110NP-220M | 220M | 22 μ H \pm 20% | 0.037 | 3.6 | 6.8 | 1.2 |
| RCH110NP-270M | 270M | 27 μ H \pm 20% | 0.048 | 3.3 | 6.1 | 1.2 |
| RCH110NP-330K | 330K | 33 μ H \pm 10% | 0.055 | 2.9 | 6.0 | 1.2 |
| RCH110NP-390K | 390K | 39 μ H \pm 10% | 0.073 | 2.7 | 8.6 | 1.2 |
| RCH110NP-470K | 470K | 47 μ H \pm 10% | 0.083 | 2.5 | 8.1 | 1.2 |
| RCH110NP-560K | 560K | 56 μ H \pm 10% | 0.092 | 2.3 | 7.6 | 1.2 |
| RCH110NP-680K | 680K | 68 μ H \pm 10% | 0.12 | 2.1 | 6.3 | 1.2 |
| RCH110NP-820K | 820K | 82 μ H \pm 10% | 0.14 | 1.9 | 6.0 | 1.2 |
| RCH110NP-101K | 101K | 100 μ H \pm 10% | 0.16 | 1.7 | 5.7 | 1.2 |
| RCH110NP-121K | 121K | 120 μ H \pm 10% | 0.20 | 1.5 | 4.8 | 1.2 |
| RCH110NP-151K | 151K | 150 μ H \pm 10% | 0.23 | 1.4 | 4.2 | 1.2 |
| RCH110NP-181K | 181K | 180 μ H \pm 10% | 0.31 | 1.3 | 3.9 | 1.2 |
| RCH110NP-221K | 221K | 220 μ H \pm 10% | 0.34 | 1.1 | 3.8 | 1.2 |
| RCH110NP-271K | 271K | 270 μ H \pm 10% | 0.40 | 1.0 | 3.4 | 1.2 |
| RCH110NP-331K | 331K | 330 μ H \pm 10% | 0.52 | 0.93 | 2.8 | 1.0 |
| RCH110NP-391K | 391K | 390 μ H \pm 10% | 0.65 | 0.86 | 2.7 | 1.0 |
| RCH110NP-471K | 471K | 470 μ H \pm 10% | 0.71 | 0.78 | 2.5 | 1.0 |
| RCH110NP-561K | 561K | 560 μ H \pm 10% | 1.0 | 0.71 | 2.2 | 1.0 |
| RCH110NP-681K | 681K | 680 μ H \pm 10% | 1.1 | 0.65 | 2.1 | 1.0 |
| RCH110NP-821K | 821K | 820 μ H \pm 10% | 1.3 | 0.59 | 2.0 | 1.0 |
| RCH110NP-102K | 102K | 1.0 mH \pm 10% | 1.7 | 0.53 | 1.7 | 1.0 |

※1. Rated current: The DC current at which the inductance decreases 90% of its initial value
or when $\Delta t=40^\circ\text{C}$ whichever is lower($T_a=20^\circ\text{C}$)

※2. Please give sufficient consideration to the thickness of wire while mounted into P.C.B.