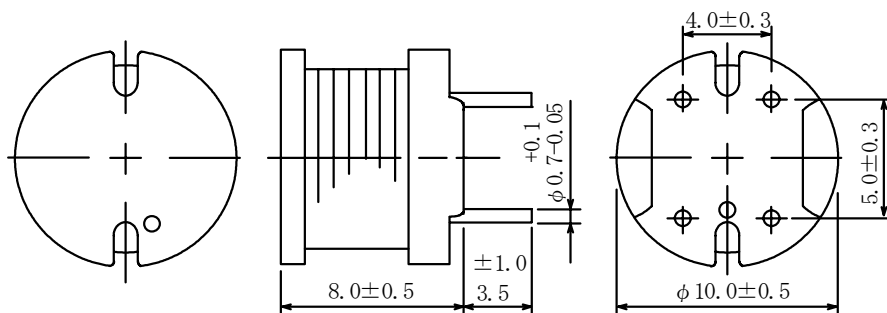
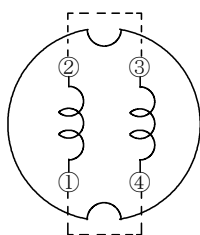


Type: RCH-108
◆ Product Description

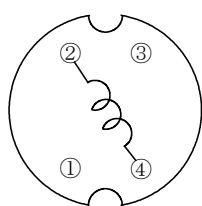
- 10.5mm Max. ϕ , 8.5mm Max. Height.
- Inductance Range: $2.2 \mu\text{H} \sim 1.0\text{mH}$
- Rated current range: $0.45 \sim 7.9\text{A}$
- In addition to the standard versions of inductors shown here, custom inductors are available to meet your exact requirements.


◆ Feature

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

◆ Dimensions (mm)

◆ Schematics (Bottom)


($2.2 \mu\text{H} \sim 15 \mu\text{H}$)



($18 \mu\text{H} \sim 1.0\text{mH}$)

※ To be connected between #1 and #4, #2 and #3 ($2.2 \mu\text{H} \sim 15 \mu\text{H}$) when used.

※ 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) ($2.2 \mu\text{H} \sim 15 \mu\text{H}$)

Type: RCH-108
◆ Specification

| Part Name | Stamp | Inductance [Within] ※1 | D.C.R. (Ω) [Max.] (at 20°C) | Rated Current (A) ※2 | S.R.F. (MHz) <Ref.> | Mounting holes (mm) ※3 |
|---------------|-------|------------------------------|---|-------------------------------|---------------------------|---------------------------------|
| RCH1Ø8NP-2R2M | 2R2M | 2.2 μ H \pm 20 % | 8.5m | 7.9 | 46 | 1.4 |
| RCH1Ø8NP-2R7M | 2R7M | 2.7 μ H \pm 20 % | 9.6m | 7.2 | 35 | 1.4 |
| RCH1Ø8NP-3R7M | 3R7M | 3.7 μ H \pm 20 % | 10.9m | 6.3 | 32 | 1.4 |
| RCH1Ø8NP-4R7M | 4R7M | 4.7 μ H \pm 20 % | 11.7m | 5.7 | 28 | 1.4 |
| RCH1Ø8NP-6R2M | 6R2M | 6.2 μ H \pm 20 % | 15.3m | 5.3 | 26 | 1.4 |
| RCH1Ø8NP-8R2M | 8R2M | 8.2 μ H \pm 20 % | 17.0m | 5.0 | 18 | 1.4 |
| RCH1Ø8NP-1ØØM | 100M | 10 μ H \pm 20 % | 27.0m | 4.5 | 14 | 1.2 |
| RCH1Ø8NP-12ØM | 120M | 12 μ H \pm 20 % | 31.0m | 4.1 | 10 | 1.2 |
| RCH1Ø8NP-15ØM | 150M | 15 μ H \pm 20 % | 36.0m | 3.7 | 9 | 1.2 |
| RCH1Ø8NP-18ØM | 180M | 18 μ H \pm 20 % | 49.0m | 3.4 | 17 | 1.4 |
| RCH1Ø8NP-22ØM | 220M | 22 μ H \pm 20 % | 55.0m | 3.1 | 16 | 1.4 |
| RCH1Ø8NP-27ØM | 270M | 27 μ H \pm 20 % | 62.0m | 2.8 | 13 | 1.4 |
| RCH1Ø8NP-33ØK | 330K | 33 μ H \pm 10 % | 79.0m | 2.5 | 12 | 1.2 |
| RCH1Ø8NP-39ØK | 390K | 39 μ H \pm 10 % | 87.0m | 2.3 | 11 | 1.2 |
| RCH1Ø8NP-47ØK | 470K | 47 μ H \pm 10 % | 99.0m | 2.1 | 10 | 1.2 |
| RCH1Ø8NP-56ØK | 560K | 56 μ H \pm 10 % | 0.13 | 1.9 | 8.6 | 1.2 |
| RCH1Ø8NP-68ØK | 680K | 68 μ H \pm 10 % | 0.14 | 1.7 | 7.6 | 1.2 |
| RCH1Ø8NP-82ØK | 820K | 82 μ H \pm 10 % | 0.16 | 1.6 | 7.4 | 1.2 |
| RCH1Ø8NP-1Ø1K | 101K | 100 μ H \pm 10 % | 0.21 | 1.4 | 6.5 | 1.2 |
| RCH1Ø8NP-121K | 121K | 120 μ H \pm 10 % | 0.24 | 1.3 | 6.2 | 1.2 |
| RCH1Ø8NP-151K | 151K | 150 μ H \pm 10 % | 0.32 | 1.2 | 5.1 | 1.0 |
| RCH1Ø8NP-181K | 181K | 180 μ H \pm 10 % | 0.35 | 1.1 | 4.6 | 1.0 |
| RCH1Ø8NP-221K | 221K | 220 μ H \pm 10 % | 0.45 | 0.96 | 4.3 | 1.0 |
| RCH1Ø8NP-271K | 271K | 270 μ H \pm 10 % | 0.61 | 0.87 | 4.0 | 1.0 |
| RCH1Ø8NP-331K | 331K | 330 μ H \pm 10 % | 0.69 | 0.79 | 3.7 | 1.0 |
| RCH1Ø8NP-391K | 391K | 390 μ H \pm 10 % | 0.78 | 0.72 | 3.2 | 1.0 |
| RCH1Ø8NP-471K | 471K | 470 μ H \pm 10 % | 1.0 | 0.66 | 3.0 | 1.0 |
| RCH1Ø8NP-561K | 561K | 560 μ H \pm 10 % | 1.2 | 0.60 | 2.8 | 1.0 |
| RCH1Ø8NP-681K | 681K | 680 μ H \pm 10 % | 1.4 | 0.55 | 2.6 | 1.0 |
| RCH1Ø8NP-821K | 821K | 820 μ H \pm 10 % | 1.8 | 0.50 | 2.3 | 1.0 |
| RCH1Ø8NP-1Ø2K | 102K | 1.0mH \pm 10 % | 2.1 | 0.45 | 2.1 | 1.0 |

※1:Measuring frequency: 2.2 μ H~8.2 μ H at 7.96MHz
 10 μ H~1.0mH at 1kHz

※2: Rated current: The DC current at which the inductance decreases 90% of it's initial value or when $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=20^{\circ}\text{C}$)

※3:Please give sufficient consideration to the thick wire used when mounted into the P.C.B..