

Type: RCH-106

◆ Product Description

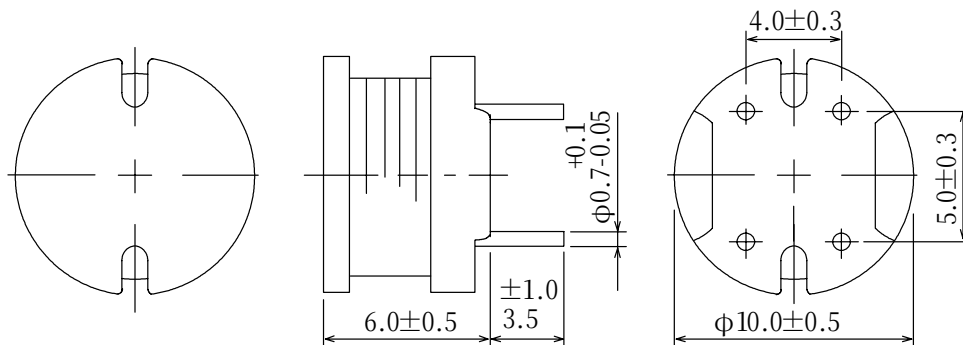
- 10.5mm Max.φ, 6.5mm Max. Height.
- Inductance Range: 1.0 μ H~1.0mH
- Rated current range: 0.36~9.3A
- In addition to the standard versions of inductors shown here, custom inductors are available to meet your exact requirements.



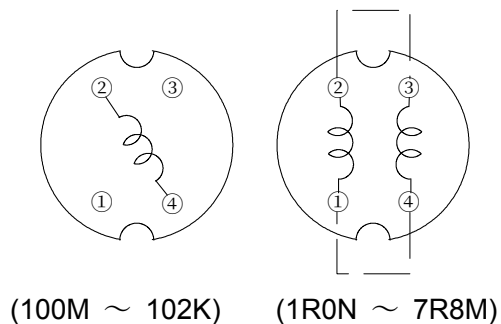
◆ Feature

- 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)



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◆ Specification

Part Name	Stamp	Inductance (μ H) [Within] ※1	D.C.R.(Ω) [Max.] (at20°C)	Rated Current (A) ※2	Mounting Holes (mm) ※3
RCH106NP-1R0N	1R0N	1.0 $\pm$ 30 %	5.0m	9.3	1.2
RCH106NP-1R2N	1R2N	1.2 $\pm$ 30 %	6.9m	8.0	1.2
RCH106NP-1R8M	1R8M	1.8 $\pm$ 20 %	8.0m	7.4	1.2
RCH106NP-2R8M	2R8M	2.8 $\pm$ 20 %	11.8m	6.0	1.2
RCH106NP-3R6M	3R6M	3.6 $\pm$ 20 %	13.8m	5.7	1.2
RCH106NP-5R1M	5R1M	5.1 $\pm$ 20 %	19.6m	4.6	1.2
RCH106NP-6R3M	6R3M	6.3 $\pm$ 20 %	23.1m	4.2	1.2
RCH106NP-7R8M	7R8M	7.8 $\pm$ 20 %	24.8m	3.9	1.2
RCH106NP-100M	100M	10 $\pm$ 20 %	40m	3.6	1.2
RCH106NP-120M	120M	12 $\pm$ 20 %	44m	3.3	1.2
RCH106NP-150M	150M	15 $\pm$ 20 %	58m	2.9	1.2
RCH106NP-180M	180M	18 $\pm$ 20 %	64m	2.7	1.2
RCH106NP-220M	220M	22 $\pm$ 20 %	88m	2.4	1.2
RCH106NP-270M	270M	27 $\pm$ 20 %	0.10	2.2	1.2
RCH106NP-330K	330K	33 $\pm$ 10 %	0.11	2.0	1.2
RCH106NP-390K	390K	39 $\pm$ 10 %	0.14	1.8	1.0
RCH106NP-470K	470K	47 $\pm$ 10 %	0.16	1.7	1.0
RCH106NP-560K	560K	56 $\pm$ 10 %	0.19	1.5	1.0
RCH106NP-680K	680K	68 $\pm$ 10 %	0.22	1.4	1.0
RCH106NP-820K	820K	82 $\pm$ 10 %	0.29	1.3	1.0
RCH106NP-101K	101K	100 $\pm$ 10 %	0.32	1.3	1.0
RCH106NP-121K	121K	120 $\pm$ 10 %	0.38	1.2	1.0
RCH106NP-151K	151K	150 $\pm$ 10 %	0.50	1.0	1.0
RCH106NP-181K	181K	180 $\pm$ 10 %	0.56	0.84	1.0
RCH106NP-221K	221K	220 $\pm$ 10 %	0.78	0.76	1.0
RCH106NP-271K	271K	270 $\pm$ 10 %	0.92	0.69	1.0
RCH106NP-331K	331K	330 $\pm$ 10 %	1.1	0.62	1.0
RCH106NP-391K	391K	390 $\pm$ 10 %	1.3	0.57	1.0
RCH106NP-471K	471K	470 $\pm$ 10 %	1.5	0.52	1.0
RCH106NP-561K	561K	560 $\pm$ 10 %	1.9	0.48	1.0
RCH106NP-681K	681K	680 $\pm$ 10 %	2.2	0.43	1.0
RCH106NP-821K	821K	820 $\pm$ 10 %	2.6	0.40	1.0
RCH106NP-102K	102K	1000 $\pm$ 10 %	3.2	0.36	1.0

※1:Measuring frequency: 1.0 μ H $\sim$ 7.8 μ H at 7.96MHz
10 μ H $\sim$ 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 thickness of wire while mounted into P.C.B.