



Power Inductor< Pin Type : RCH Series>

Type: RCH-108

◆ Product Description

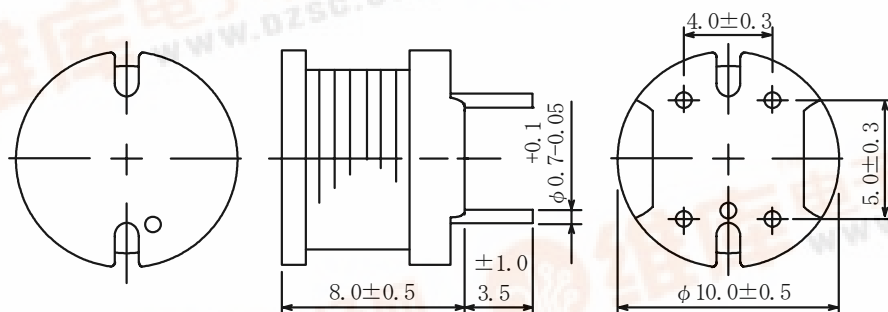
- 10.5mm Max. ϕ , 8.5mm Max. Height.
- Inductance Range: $2.2 \mu\text{H} \sim 1.0\text{mH}$
- Rated current range: $0.45 \sim 7.9\text{A}$
- In addition to the standard versions of inductors shown here, custom inductors are available to meet your exact requirements.



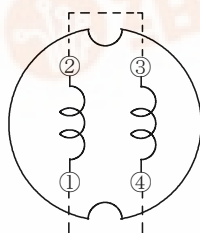
◆ Feature

- 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

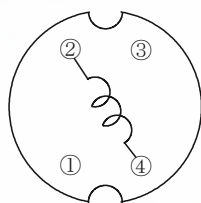
◆ Dimensions (mm)



◆ 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 μH ± 20 %	8.5m	7.9	46	1.4
RCH1Ø8NP-2R7M	2R7M	2.7 μH ± 20 %	9.6m	7.2	35	1.4
RCH1Ø8NP-3R7M	3R7M	3.7 μH ± 20 %	10.9m	6.3	32	1.4
RCH1Ø8NP-4R7M	4R7M	4.7 μH ± 20 %	11.7m	5.7	28	1.4
RCH1Ø8NP-6R2M	6R2M	6.2 μH ± 20 %	15.3m	5.3	26	1.4
RCH1Ø8NP-8R2M	8R2M	8.2 μH ± 20 %	17.0m	5.0	18	1.4
RCH1Ø8NP-1ØØM	100M	10 μH ± 20 %	27.0m	4.5	14	1.2
RCH1Ø8NP-12ØM	120M	12 μH ± 20 %	31.0m	4.1	10	1.2
RCH1Ø8NP-15ØM	150M	15 μH ± 20 %	36.0m	3.7	9	1.2
RCH1Ø8NP-18ØM	180M	18 μH ± 20 %	49.0m	3.4	17	1.4
RCH1Ø8NP-22ØM	220M	22 μH ± 20 %	55.0m	3.1	16	1.4
RCH1Ø8NP-27ØM	270M	27 μH ± 20 %	62.0m	2.8	13	1.4
RCH1Ø8NP-33ØK	330K	33 μH ± 10 %	79.0m	2.5	12	1.2
RCH1Ø8NP-39ØK	390K	39 μH ± 10 %	87.0m	2.3	11	1.2
RCH1Ø8NP-47ØK	470K	47 μH ± 10 %	99.0m	2.1	10	1.2
RCH1Ø8NP-56ØK	560K	56 μH ± 10 %	0.13	1.9	8.6	1.2
RCH1Ø8NP-68ØK	680K	68 μH ± 10 %	0.14	1.7	7.6	1.2
RCH1Ø8NP-82ØK	820K	82 μH ± 10 %	0.16	1.6	7.4	1.2
RCH1Ø8NP-1Ø1K	101K	100 μH ± 10 %	0.21	1.4	6.5	1.2
RCH1Ø8NP-121K	121K	120 μH ± 10 %	0.24	1.3	6.2	1.2
RCH1Ø8NP-151K	151K	150 μH ± 10 %	0.32	1.2	5.1	1.0
RCH1Ø8NP-181K	181K	180 μH ± 10 %	0.35	1.1	4.6	1.0
RCH1Ø8NP-221K	221K	220 μH ± 10 %	0.45	0.96	4.3	1.0
RCH1Ø8NP-271K	271K	270 μH ± 10 %	0.61	0.87	4.0	1.0
RCH1Ø8NP-331K	331K	330 μH ± 10 %	0.69	0.79	3.7	1.0
RCH1Ø8NP-391K	391K	390 μH ± 10 %	0.78	0.72	3.2	1.0
RCH1Ø8NP-471K	471K	470 μH ± 10 %	1.0	0.66	3.0	1.0
RCH1Ø8NP-561K	561K	560 μH ± 10 %	1.2	0.60	2.8	1.0
RCH1Ø8NP-681K	681K	680 μH ± 10 %	1.4	0.55	2.6	1.0
RCH1Ø8NP-821K	821K	820 μH ± 10 %	1.8	0.50	2.3	1.0
RCH1Ø8NP-1Ø2K	102K	1.0mH ± 10 %	2.1	0.45	2.1	1.0

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

※2: Rated current: The DC current at which the inductance decreases 90% of it's initial value or when
 Δt=40°C, whichever is lower(Ta=20°C)

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