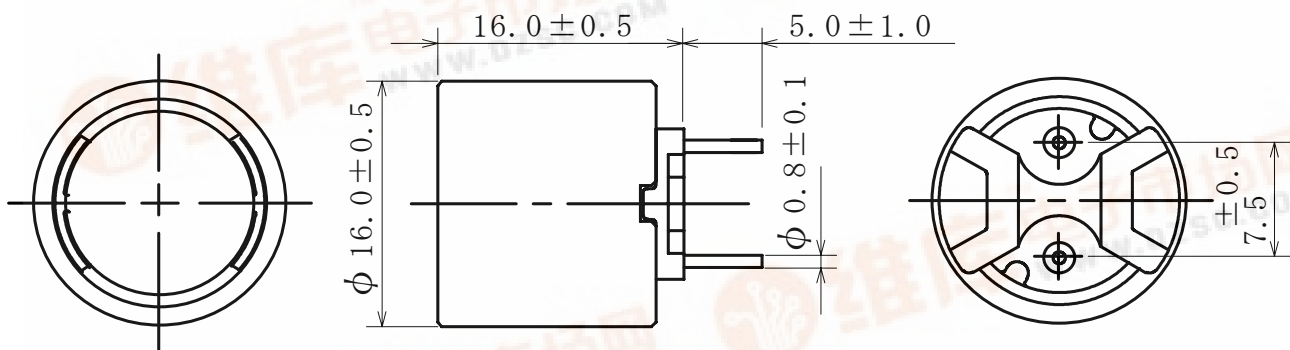



POWER INDUCTORS < Pin Type: RCR Series >
Type: RCR1616
◆ Product Description

- 16.5mm Max. ϕ , 16.5mm Max. Height.
- Inductance Range: 4.7 μ H~1.0mH
- Rated Current Range: 0.85~9.2A
- In addition to the standard versions of inductors shown here, custom inductors are available to meet your exact requirements


◆ Feature

- Magnetically shielded 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)


Type: RCR1616
◆ Specification

Part Name	Stamp	Inductance <within> (at 1kHz)	D.C.R.(m Ω) Max.(Typ.) at 20℃※1	Saturation- current (A)※1	Temperature Rise current (A)※2
RCR1616NP-4R7M RCR1616NP-6R8M RCR1616NP-100M	4R7M 6R8M 100M	4.7 μH ± 20% 6.8 μH ± 20% 10 μH ± 20%	6.70(5.15) 9.35(7.20) 10.5(8.25)	12.6 9.8 9.3	9.2 8.0 7.8
RCR1616NP-120M RCR1616NP-150M RCR1616NP-180M	120M 150M 180M	12 μH ± 20% 15 μH ± 20% 18 μH ± 20%	11.0(8.47) 14.5(11.2) 16.5(12.7)	8.5 7.1 6.7	7.4 6.2 6.0
RCR1616NP-220M RCR1616NP-270M RCR1616NP-330M	220M 270M 330M	22 μH ± 20% 27 μH ± 20% 33 μH ± 20%	17.0(13.0) 20.0(15.2) 27.0(20.5)	6.2 5.6 5.0	5.7 5.2 4.8
RCR1616NP-390M RCR1616NP-470M RCR1616NP-560M	390M 470M 560M	39 μH ± 20% 47 μH ± 20% 56 μH ± 20%	33.0(25.4) 37.0(28.4) 45.0(34.5)	4.6 4.2 3.8	4.5 4.1 3.8
RCR1616NP-680M RCR1616NP-820M RCR1616NP-101K	680M 820M 101K	68 μH ± 20% 82 μH ± 20% 100 μH ± 10%	56.0(43.0) 64.5(49.5) 68.0(52.5)	3.3 2.9 2.7	3.4 3.1 2.9
RCR1616NP-121K RCR1616NP-151K RCR1616NP-181K	121K 151K 181K	120 μH ± 10% 150 μH ± 10% 180 μH ± 10%	80.0(61.7) 91.0(70.0) 135(104)	2.5 2.3 2.0	2.6 2.4 2.0
RCR1616NP-221K RCR1616NP-271K RCR1616NP-331K	221K 271K 331K	220 μH ± 10% 270 μH ± 10% 330 μH ± 10%	155(119) 180(140) 240(183)	1.8 1.7 1.5	1.8 1.7 1.4
RCR1616NP-391K RCR1616NP-471K RCR1616NP-561K	391K 471K 561K	390 μH ± 10% 470 μH ± 10% 560 μH ± 10%	255(196) 280(215) 380(291)	1.3 1.2 1.1	1.3 1.3 1.1
RCR1616NP-681K RCR1616NP-821K RCR1616NP-102K	681K 821K 102K	680 μH ± 10% 820 μH ± 10% 1.0mH ± 10%	515(397) 575(443) 665(513)	1.0 0.96 0.85	1.0 0.99 0.93

※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℃).