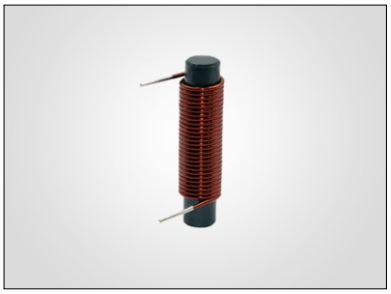
Rod Core Choke - RC0630 Series

Meisongbei



Features

- High mechanical stability
- High saturation currents
- Custom design on request

Applications

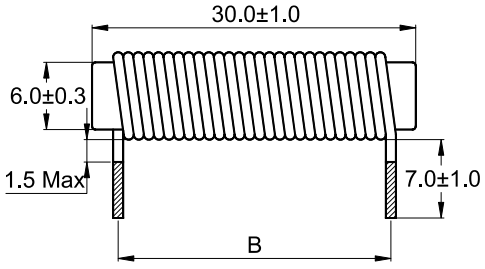
- Motors
- Switching regulators
- Power supplies, Broadband filtering

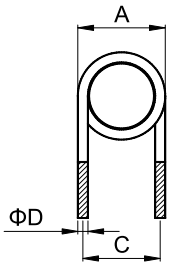
General Specifications

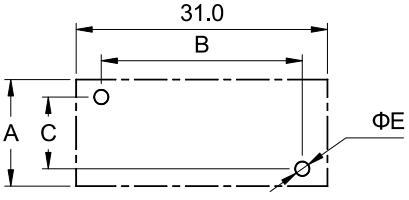
- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C
- Moisture Sensitivity Level(MSL): 1

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

Shape and Dimensions (Unit:mm)







Reference hole pattern

Part Number	A (max)	B (±1.0)	C (±0.5)	D (±0.15)	E (Ref)
RC0630-4R5M	10.2	26.5	7.85	1.80	2.20
RC0630-5R6M	10.0	27.0	7.75	1.70	2.10
RC0630-6R8M	9.50	24.0	7.45	1.40	1.80
RC0630-7R5M	9.50	27.0	7.45	1.40	1.80
RC0630-8R2M	9.20	25.5	7.35	1.30	1.70
RC0630-100M	9.00	26.0	7.25	1.20	1.60
RC0630-150M	8.50	24.0	6.95	0.90	1.30
RC0630-220M	8.20	27.0	6.85	0.80	1.20

Electrical Characteristics For RC0630 Series

Part Number	Inductance [uH]	DCR (max) [mΩ]	Isat (max) [A]	Irms (max) [A]
RC0630-4R5M	4.5 ±20%	3.50	16.5	24.3
RC0630-5R6M	5.6 ±20%	4.28	15.0	22.0
RC0630-6R8M	6.8 ±20%	6.00	14.0	18.4
RC0630-7R5M	7.5 ±20%	6.40	13.0	18.0
RC0630-8R2M	8.2 ±20%	7.53	11.0	16.6
RC0630-100M	10 ±20%	9.98	10.5	14.4
RC0630-150M	15 ±20%	13.4	9.0	12.4
RC0630-220M	22 ±20%	32.0	7.5	8.0

- Inductance test at 1kHz, 0.25V
- Saturation Current (Isat): The DC current at which the inductance decrease 20% of its initial value without current.
- Temperature rise current (Irms): The DC current when the temperature rise is △t＝40°C (Ta=25°C)