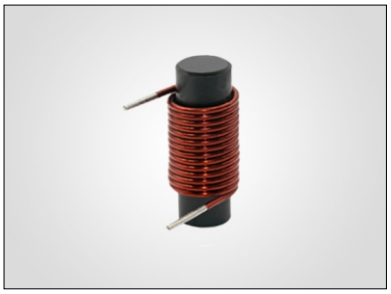
Rod Core Choke - RC1030 Series

Meisongbei



Features

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

Applications

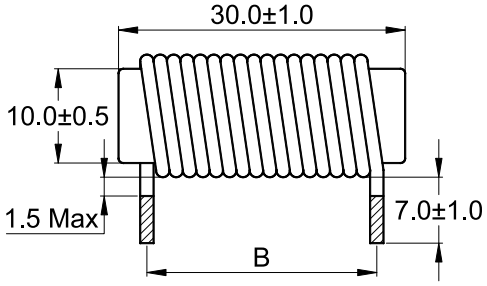
- Motors
- Switching regulators
- Power supplies, Broadband filtering

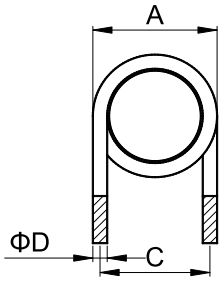
General Specifications

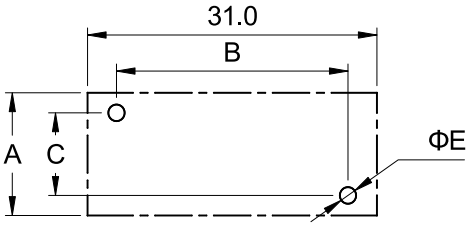
- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C
- Moisture Sensitivity Level(MSL): 1

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)
RC1030-8R2M	14.5	25.5	12.0	1.60	2.00
RC1030-100M	14.0	22.5	11.7	1.30	1.70
RC1030-150M	13.5	24.0	11.5	1.10	1.50
RC1030-220M	13.5	28.0	11.4	1.00	1.40

Electrical Characteristics For RC1030 Series

Part Number	Inductance [uH]	DCR (max) [mΩ]	Isat (max) [A]	Irms (max) [A]
RC1030-8R2M	8.2 ±20%	6.43	31.0	21.6
RC1030-100M	10 ±20%	10.2	28.0	17.2
RC1030-150M	15 ±20%	17.8	23.5	13.0
RC1030-220M	22 ±20%	26.4	19.5	10.7

- 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)