

Rod Core High Current Power Inductors RC Series



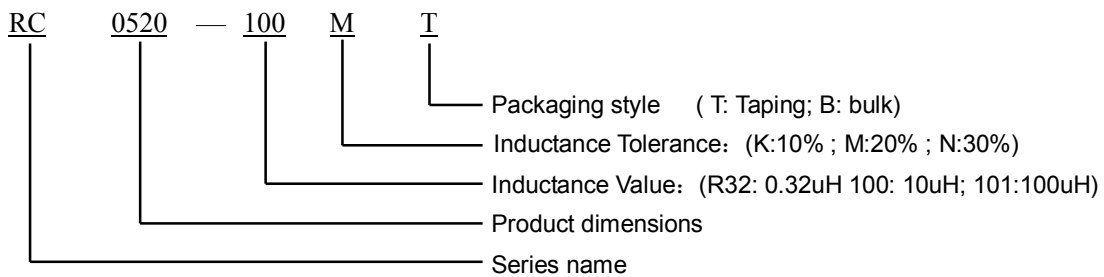
Features

- RC Series is available in 120 standard values covering a wide range of inductance and current.
- The use of high saturation flux density material makes these coils ideal for use in switching regulated power supply application and wherever high current choke values in a small physical size are needed.

Applications

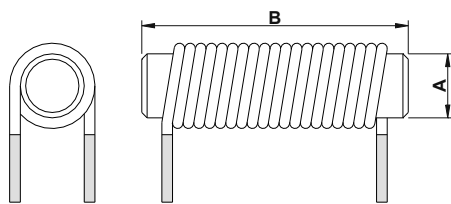
- Excellent for power line DC-DC conversion applications used in Power switching, personal computers and other handheld electronic equipment.

PRODUCT IDENTIFICATION

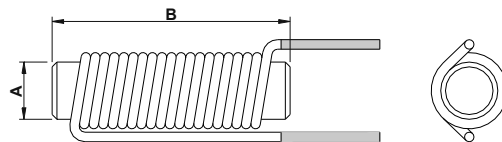


SHAPES AND DIMENSIONS Unit:mm

RCD Type.



RCU Type.



Part Number	A	B	Part Number	A	B
RC0415	4.0	15.0	RC0620	6.0	20.0
RC0420	4.0	20.0	RC0625	6.0	25.0
RC0520	5.0	20.0	RC0630	6.0	30.0
RC0525	5.0	25.0	RC0635	6.0	35.0
RC0530	5.0	30.0	RC0820	8.0	20.0
RC0615	6.0	15.0	RC0830	8.0	30.0

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test req.(KHz)	DCR Max. (Ω)	Irated(A)
RC0520-120MB	12.0	1.0	44.0	2.3
RC0520-150MB	15.0	1.0	60.0	1.9
RC0630-4R7MB	4.7	1.0	5.0	16.0
RC0630-5R6MB	5.6	1.0	6.0	16.0
RC0630-470KB	47.0	1.0	1.10	1.9
RC0420-5R0MB	5.0	1.0	10.0	3.0
RC0520-2R4MB	2.4	1.0	4.0	12.0
RC0525-2R0MB	2.0	1.0	4.0	14.0
RC0625-100MB	10.0	1.0	15.0	5.0
RC0630-100MB	10.0	1.0	10.0	10.0

- Irated: DC current at which the inductance drops 10% from its value without current.
Or Current that causes a 40°C temperature rise from 25°C ambient.