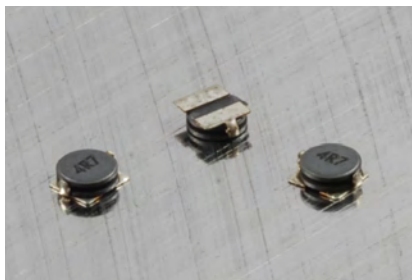
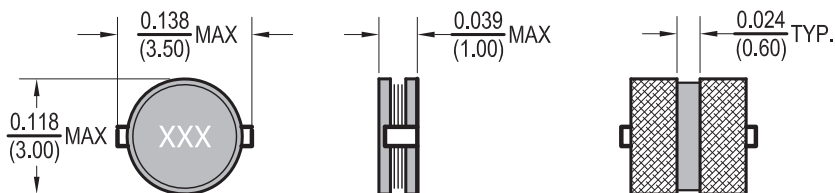




Power Chip Inductors PC0301



Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. KHz, 0.1v	DCR Max. (Ω)	IDC (A)
PC0301-2R2M-RC	2.2	20	100	0.33	1.08
PC0301-3R3M-RC	3.3	20	100	0.52	0.92
PC0301-4R7M-RC	4.7	20	100	0.62	0.74
PC0301-6R8M-RC	6.8	20	100	0.87	0.63
PC0301-8R2M-RC	8.2	20	100	1.00	0.58
PC0301-100M-RC	10	20	100	1.14	0.50
PC0301-120M-RC	12	20	100	1.44	0.46
PC0301-150M-RC	15	20	100	1.60	0.43
PC0301-220M-RC	22	20	100	1.90	0.35
PC0301-270M-RC	27	20	100	2.85	0.32

All specifications subject to change without notice.

Features

- Unshielded SMD low cost design
- Designed for high current applications
- Accurate and consistent dimensions for auto insertion
- Excellent for use in DC-DC converter application
- High saturation for surface mounting

Electrical

Inductance Range: 2.2 μh to 27 μh

Tolerance: 20% over entire range

Operating Temp: -40°C ~ +85°C

IDC: Current at which Inductance drops 10% of original value

Resistance to Soldering Heat

Pre-Heat 150°C, 1 Min.

Solder Composition: Sn/Ag3.0/Cu0.5

Solder Temp: 260°C +/- 5°C for 10 sec \pm 1 sec.

Test Equipment

(L): PM3260 / HP44284A / HP4285A

(RDC): Chen Hwa 502BC

(IDC): Chen Hwa 1061 + Chen Hwa 301A or HP4284A + HP42841A

Physical

Packaging: 1000 pieces per 7 inch reel.

Marking: EIA Inductance Code