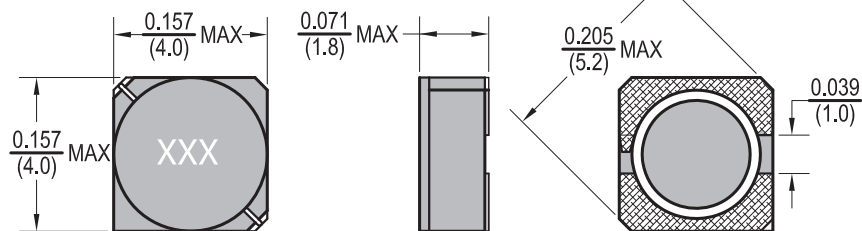




Power Chip Shielded Inductors PCS3D16



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



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. KHz, 0.1V	DCR (Ω)	Rated Current (A)
PCS3D16-1R0T-RC	1.0	30	100	0.040	1.60
PCS3D16-1R5T-RC	1.5	30	100	0.052	1.55
PCS3D16-2R2T-RC	2.2	30	100	0.072	1.20
PCS3D16-3R3T-RC	3.3	30	100	0.085	1.10
PCS3D16-3R6T-RC	3.6	30	100	0.090	0.95
PCS3D16-4R7T-RC	4.7	30	100	0.105	0.90
PCS3D16-6R8T-RC	6.8	30	100	0.170	0.73
PCS3D16-100T-RC	10	30	100	0.210	0.55
PCS3D16-150T-RC	15	30	100	0.295	0.45
PCS3D16-220T-RC	22	30	100	0.430	0.40
PCS3D16-270T-RC	27	30	100	0.620	0.35
PCS3D16-330T-RC	33	30	100	0.675	0.32
PCS3D16-680T-RC	68	30	100	1.700	0.18
PCS3D16-101T-RC	100	30	100	2.750	0.13

All specifications subject to change without notice.

Features

- Magnetically Shielded
- Low DC Resistance
- High Energy Storage
- Low Energy Loss
- Suitable for pick and place

Electrical

Inductance Range: 1.0 μh to 100 μh
Tolerance: 30% over entire range, some values available in tighter tolerances
Test Frequency: 100KHz, 0.1V
Operating Temp: -30°C ~ 100°C
Rated Current: Inductance Drop 35% Typ. at rated current or Temp Rise $\Delta T=40^\circ\text{C}$. Which ever is lower.

Resistance to Soldering Heat

Pre-Heat 150°C, 1 Min.
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp: 260°C +/- 5°C
Immersion time: 10 sec. +/- 1 sec.

Test Equipment

(L): HP 4192A LF Impedance Analyzer
(RDC): Chen Hwa 502
(IDC): Chen Hwa 1061 + Chen Hwa 301A or HP4284A + HP42841A

Physical

Packaging: 1000 pieces per 13 inch reel.
Marking: EIA Inductance Code.