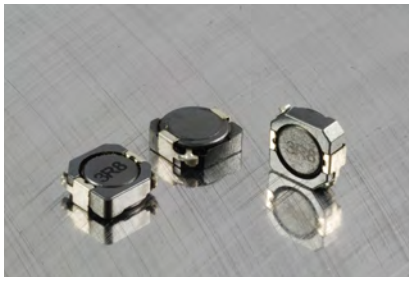
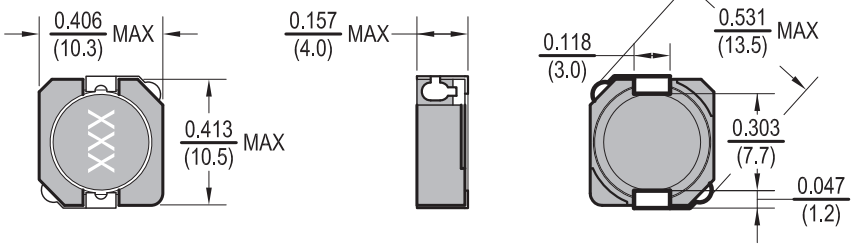
RoHS

Power Chip Shielded Inductors PCS104



Dimensions: Inches / (mm)



Allied Part Number	Inductance (µh)	Tolerance (%)	Test Freq. KHz, 1V	DCR Max (Ω)	IDC Current (A)
PCS104-1R0T-RC	1.0	30	100	0.0075	10.5
PCS104-1R5T-RC	1.5	30	100	0.0081	10.0
PCS104-2R2T-RC	2.2	30	100	0.0105	7.5
PCS104-2R5T-RC	2.5	30	100	0.0105	7.5
PCS104-3R3T-RC	3.3	30	100	0.013	6.0
PCS104-3R8T-RC	3.8	30	100	0.013	6.0
PCS104-4R7T-RC	4.7	30	100	0.018	5.7
PCS104-5R2T-RC	5.2	30	100	0.022	5.5
PCS104-5R6T-RC	5.6	30	100	0.027	5.0
PCS104-6R8T-RC	6.8	30	100	0.027	5.0
PCS104-7R0T-RC	7.0	30	100	0.027	4.8
PCS104-100M-RC	10	20	100	0.038	4.4
PCS104-150M-RC	15	20	100	0.050	3.6
PCS104-180M-RC	18	20	100	0.070	3.5
PCS104-220M-RC	22	20	100	0.073	2.9
PCS104-270M-RC	27	20	100	0.090	2.5
PCS104-330M-RC	33	20	100	0.093	2.3
PCS104-390M-RC	39	20	100	0.128	2.1
PCS104-470M-RC	47	20	100	0.128	2.1
PCS104-680M-RC	68	20	100	0.213	1.5
PCS104-101M-RC	100	20	100	0.304	1.35
PCS104-151M-RC	150	20	100	0.506	1.15
PCS104-201M-RC	200	20	100	0.756	0.92
PCS104-221M-RC	220	20	100	0.756	0.92
PCS104-331M-RC	330	20	100	1.090	0.7
PCS104-471M-RC	470	20	100	1.600	0.5

All specifications subject to change wtihout notice.

Features

- Shielded SMD Power Inductor
- Available in magnetically shielded
- Low DC resistance
- Ideal for DC-DC converter applications

Electrical

Inductance Range: 1µh to 470µh
Tolerance: 1.0µh ~ 7.0µh 30%
10µh ~ 470µh 20%
Operating Temp: -40ºC ~ +85ºC
IDC: Current at which inductance drop = 35% typ.

Resistance to Soldering Heat

Pre-Heat 150ºC, 1 minute.
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp: 260ºC ± 5ºC

Test Equipment

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

Physical

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