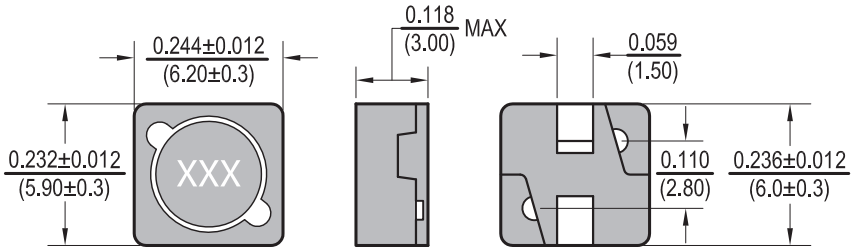
PCS62 Power Chip Shielded Inductors

RoHS

Dimensions: Inches (mm)



Features

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

Electrical

Inductance Range: 2.9µh ~ 330µh
Tolerance: 20% over entire range
Test Frequency: As specified with 1v OSC
Operating Temp: -40ºC~85ºC
IDC: Current at which inductance drop = 35% typ.

Resistance to Soldering Heat

Pre-Heat 150ºC, 1min.
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp: 260ºC +/- 5ºC for 10 sec. +/- 1 sec.

Test Equipment

(L): HP4192A LF Impedance Analyzer
(RDC): Chen Hwa 502
(IDC): Chen Hwa 1061 + Chen Hwa 301A or HP4284A + HP42841A

Physical

Packaging: 1500 pieces per 13 inch reel.
Marking: EIA Inductance Code

Allied Part Number	Inductance (µh)	Tolerance (%)	Test Freq.	DCR Max. (Ω)	IDC (A)
PCS62-2R9M-RC	2.9	20	7.96MHz,1V	0.06	2.00
PCS62-3R3M-RC	3.3	20	7.96MHz,1V	.068	1.94
PCS62-4R0M-RC	4.0	20	7.96MHz,1V	0.08	1.63
PCS62-4R7M-RC	4.7	20	7.96MHz,1V	0.08	1.63
PCS62-5R5M-RC	5.5	20	7.96MHz,1V	.096	1.40
PCS62-6R8M-RC	6.8	20	7.96MHz,1V	0.10	1.33
PCS62-8R2M-RC	8.2	20	7.96MHz,1V	0. 10	1.14
PCS62-100M-RC	10	20	2.52MHz,1V	0.15	1.10
PCS62-120M-RC	12	20	2.52MHz,1V	0.20	1.00
PCS62-150M-RC	15	20	2.52MHz,1V	0.23	0.90
PCS62-180M-RC	18	20	2.52MHz,1V	0.27	0.80
PCS62-220M-RC	22	20	2.52MHz,1V	0.34	0.74
PCS62-270M-RC	27	20	2.52MHz,1V	0.38	0.66
PCS62-330M-RC	33	20	2.52MHz,1V	0.45	0.59
PCS62-390M-RC	39	20	2.52MHz,1V	0.49	0.54
PCS62-470M-RC	47	20	2.52MHz,1V	0.69	0.50
PCS62-560M-RC	56	20	2.52MHz,1V	0.78	0.46
PCS62-680M-RC	68	20	2.52MHz,1V	1.07	0.42
PCS62-820M-RC	82	20	2.52MHz,1V	1.21	0.38
PCS62-101M-RC	100	20	1KHz,1V	1.39	0.34
PCS62-121M-RC	120	20	1KHz,1V	1.90	0.31
PCS62-151M-RC	150	20	1KHz,1V	2.18	0.28
PCS62-181M-RC	180	20	1KHz,1V	2.77	0.26
PCS62-221M-RC	220	20	1KHz,1V	3.12	0.23
PCS62-271M-RC	270	20	1KHz,1V	4.38	0.22
PCS62-331M-RC	330	20	1KHz,1V	4.94	0.19

All specifications subject to change without notice.