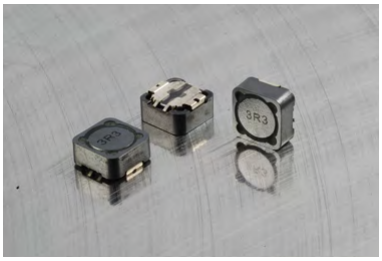
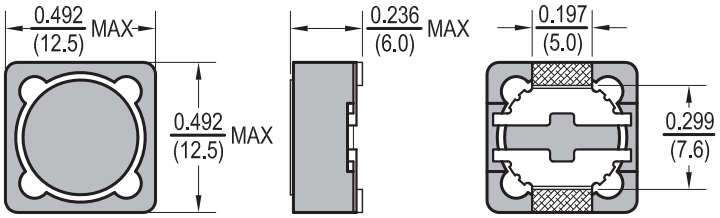
Power Chip Shielded Inductors PCS125



Dimensions: Inches / (mm)



Allied Part Number	Inductance (µh)	Tolerance (%)	Test Freq. KHz,1V	DCR (Ω)	IDC Current (A)
PCS125-3R3M-RC	3.3	20	1	.015	8.0
PCS125-4R7M-RC	4.7	20	1	.018	7.6
PCS125-100M-RC	10	20	1	.025	4.0
PCS125-120M-RC	12	20	1	.027	3.5
PCS125-150M-RC	15	20	1	.030	3.3
PCS125-180M-RC	18	20	1	.034	3.0
PCS125-220M-RC	22	20	1	.036	2.8
PCS125-270M-RC	27	20	1	.051	2.3
PCS125-330M-RC	33	20	1	.057	2.1
PCS125-390M-RC	39	20	1	.068	2.0
PCS125-470M-RC	47	20	1	.075	1.8
PCS125-560M-RC	56	20	1	.110	1.7
PCS125-680M-RC	68	20	1	.120	1.5
PCS125-820M-RC	82	20	1	.140	1.4
PCS125-101M-RC	100	20	1	.160	1.3
PCS125-121M-RC	120	20	1	.170	1.1
PCS125-151M-RC	150	20	1	.230	1.0
PCS125-181M-RC	180	20	1	.290	0.9
PCS125-221M-RC	220	20	1	.400	0.8
PCS125-271M-RC	270	20	1	.460	.75
PCS125-331M-RC	330	20	1	.510	.68
PCS125-391M-RC	390	20	1	.690	.65
PCS125-471M-RC	470	20	1	.770	.58
PCS125-561M-RC	560	20	1	.860	.54
PCS125-681M-RC	680	20	1	1.20	.48
PCS125-821M-RC	820	20	1	1.34	.43
PCS125-102M-RC	1000	20	1	1.53	0.4

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: 3.3µ to 1000µh
Tolerance: 20% over entire range
Available in tighter tolerances
Test Frequency: 1KHz, 1V
Operating Temp: -40ºC ~ 85ºC
IDC: Inductance Drop 35% Typ. at rated IDC.

Resistance to Soldering Heat

Pre-Heat 150ºC, 1 Min.
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp: 260ºC +/- 5ºC
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: 600 pieces per 13 inch reel.
Marking: EIA Inductance Code.