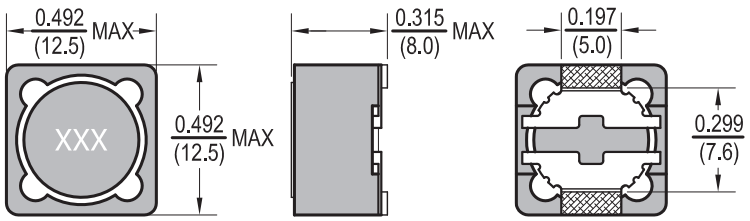
RoHS

Power Chip Shielded Inductors PCS127

Dimensions: Inches / (mm)





Allied Part Number	Inductance (µh)	Tolerance (%)	Test Freq. KHz, 1V	DCR (Ω)	IDC Current (A)
PCS127-1R2M-RC	1.2	20	100	0.0070	9.8
PCS127-1R5M-RC	1.5	20	100	0.0080	9.5
PCS127-2R2M-RC	2.2	20	100	0.0115	8.0
PCS127-2R4M-RC	2.4	20	100	0.0115	8.0
PCS127-3R3M-RC	3.3	20	100	0.0135	7.5
PCS127-3R5M-RC	3.5	20	100	0.0135	7.5
PCS127-4R7M-RC	4.7	20	100	0.0158	6.8
PCS127-6R1M-RC	6.1	20	100	0.0176	6.6
PCS127-6R8M-RC	6.8	20	100	0.02	6.2
PCS127-7R6M-RC	7.6	20	1	0.02	5.9
PCS127-100M-RC	10	20	1	0.0216	5.4
PCS127-120M-RC	12	20	1	0.0243	4.9
PCS127-150M-RC	15	20	1	0.027	4.5
PCS127-180M-RC	18	20	1	0.0392	3.9
PCS127-220M-RC	22	20	1	0.0432	3.6
PCS127-270M-RC	27	20	1	0.0459	3.4
PCS127-330M-RC	33	20	1	0.0648	3.0
PCS127-390M-RC	39	20	1	0.0729	2.75
PCS127-470M-RC	47	20	1	0.10	2.50
PCS127-560M-RC	56	20	1	0.11	2.35
PCS127-680M-RC	68	20	1	0.14	2.10
PCS127-820M-RC	82	20	1	0.16	1.95
PCS127-101M-RC	100	20	1	0.22	1.70
PCS127-121M-RC	120	20	1	0.25	1.60
PCS127-151M-RC	150	20	1	0.28	1.42
PCS127-181M-RC	180	20	1	0.35	1.30
PCS127-221M-RC	220	20	1	0.39	1.16
PCS127-271M-RC	270	20	1	0.56	1.06
PCS127-331M-RC	330	20	1	0.64	0.95
PCS127-391M-RC	390	20	1	0.70	0.88
PCS127-471M-RC	470	20	1	0.98	0.79
PCS127-561M-RC	560	20	1	1.07	0.73
PCS127-681M-RC	680	20	1	1.46	0.67
PCS127-821M-RC	820	20	1	1.64	0.60
PCS127-102M-RC	1000	20	1	1.64	0.55

Available in tighter tolerances.
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: 1.2µh to 1000µh
Tolerance: 20% over entire range
Test Frequency: As specified.
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
(IDA): Chen Hwa 1061 + Chen Hwa 301A or HP4284A + HP42841A

Physical

Packaging: 500 pieces per 13 inch reel.
Marking: EIA Inductance Code.