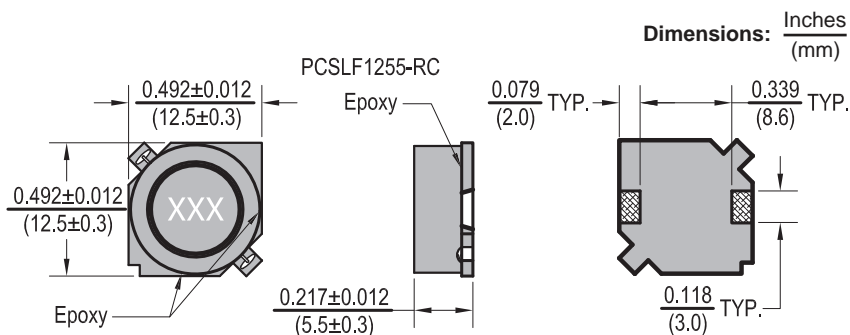


PCSLF1255 Power Chip Shielded Inductors



Features

- Shielded Power Inductor
- Suitable for high current applications
- Low Profile
- Low Power loss and High current

Electrical

Inductance Range: 6 μ H to 1500 μ H

Tolerance: 30% over entire range, tighter tolerances available

Operating Temp: -40°C ~ +85°C

IDC: Current at which inductance drops by 10% of initial value

Itemp current: Value obtained when current flows and the temperature has risen by 30°C

Resistance to Soldering Heat

Pre-Heat 150°C, 1 minute.

Solder Composition: Sn/Ag3.0/Cu0.5

Solder Temp: 260°C \pm 5°C for 10 sec. \pm 1 sec.

Test Equipment

(L): HP 4192A

(RDC): Chen Hwa 502BC

(IDC): HP4284A + HP42841A /
Chen Hwa 1061 + 301A

Physical

Packaging: 500 pieces per 13 inch reel.

Marking: EIA Inductance Code

Allied Part Number	Inductance (μ H)	Tolerance (%)	Test Freq. KHz, 0.5v	DCR (Ω) \pm 20%	IDC (A)	Itemp (A) Max.
PCSLF1255-6R0T-RC	6	30	1	.0164	3.6	4.9
PCSLF1255-100T-RC	10	30	1	.0215	3.4	4.3
PCSLF1255-150T-RC	15	30	1	.0259	2.8	3.9
PCSLF1255-220T-RC	22	30	1	.0338	2.3	3.4
PCSLF1255-330T-RC	33	30	1	.0415	1.9	3.1
PCSLF1255-470T-RC	47	30	1	.0618	1.6	2.5
PCSLF1255-680T-RC	68	30	1	.0832	1.3	2.2
PCSLF1255-101T-RC	100	30	1	0.117	1.1	1.8
PCSLF1255-151T-RC	150	30	1	0.35	.88	1.4
PCSLF1255-221T-RC	220	30	1	0.47	.72	1.2
PCSLF1255-331T-RC	330	30	1	0.58	.59	1.0
PCSLF1255-471T-RC	470	30	1	0.68	.49	.88
PCSLF1255-681T-RC	680	30	1	1.03	.43	.73
PCSLF1255-102T-RC	1000	30	1	1.60	.34	.60
PCSLF1255-152T-RC	1500	30	1	2.80	.29	.48

All specifications subject to change without notice.