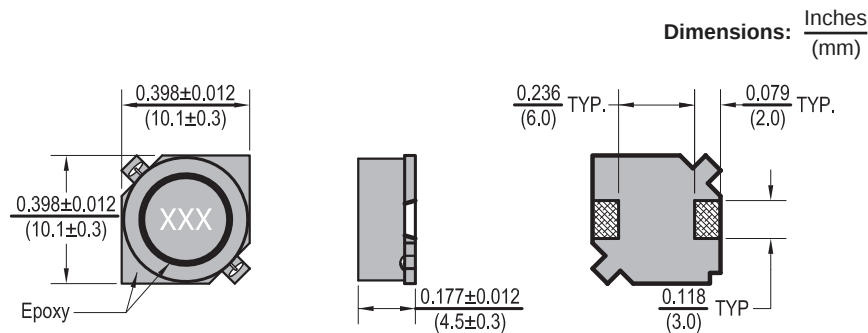


PCSLF1045 Power Chip Shielded Inductors



Features

- Shielded Power Inductor
- Designed ferrite cover provides magnetic shielding
- Provides extremely low DCR and Hi rating current

Electrical

Inductance Range: 10 μ H to 1500 μ H

Tolerance: 20% over entire range

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

Operating Temp: -40°C ~ +85°C

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

Itemp: Current at which the temperature has risen 30°C from initial Temp.

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	RDC (Ω) $\pm$ 20%	IDC (A)	Itemp (A) Max.
PCSLF1045-100M-RC	10	20	1	.0364	3.0	2.5
PCSLF1045-150M-RC	15	20	1	.0472	2.4	2.2
PCSLF1045-220M-RC	22	20	1	.0591	2.1	1.9
PCSLF1045-330M-RC	33	20	1	.0815	1.6	1.7
PCSLF1045-470M-RC	47	20	1	0.10	1.4	1.5
PCSLF1045-680M-RC	68	20	1	0.14	1.2	1.3
PCSLF1045-101M-RC	100	20	1	0.20	1.0	1.1
PCSLF1045-151M-RC	150	20	1	0.35	.79	.81
PCSLF1045-221M-RC	220	20	1	0.47	.65	.70
PCSLF1045-271M-RC	270	20	1	0.58	.58	.60
PCSLF1045-331M-RC	330	20	1	0.68	.54	.58
PCSLF1045-471M-RC	470	20	1	1.03	.47	.47
PCSLF1045-681M-RC	680	20	1	1.60	.38	.38
PCSLF1045-102M-RC	1000	20	1	2.80	.32	.29
PCSLF1045-152M-RC	1500	20	1	3.40	.22	.26

All specifications subject to change without notice.