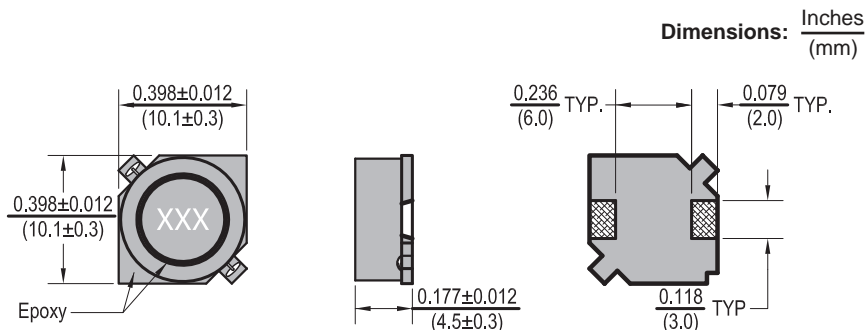


# PCSLF1045 Power Chip Shielded Inductors



## Features

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

## Electrical

**Inductance Range:** 10 $\mu$ H to 1500 $\mu$ 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 ( $\mu$ H)	Tolerance (%)	Test Freq. KHz, 0.5V	RDC ( $\Omega$ ) $\pm$ 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.