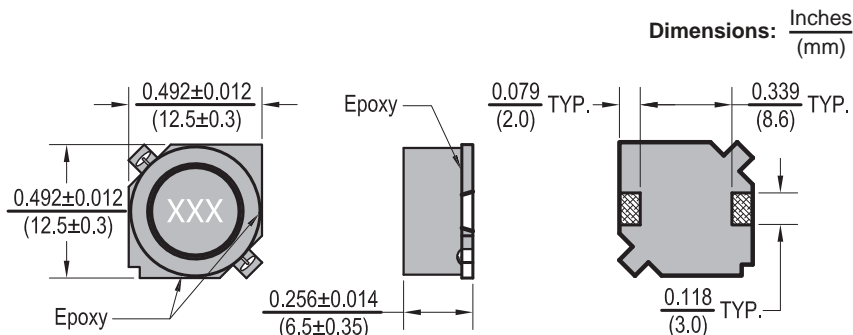


# PCSLF1265 Power Chip Shielded Inductors



## Features

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

## Electrical

**Inductance Range:** 2 $\mu$ H to 220 $\mu$ H

**Tolerance:** 30% up to 7.0 $\mu$ H, 20% from 10 $\mu$ H and above, 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 40°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 ( $\mu$ H)	Tolerance (%)	Test Freq. KHz, 0.5v	DCR ( $\Omega$ ) $\pm$ 20%	IDC (A)	Itemp (A) Max.
PCSLF1265-2R0T-RC	2.0	30	1	.012	10	6.2
PCSLF1265-4R2T-RC	4.2	30	1	.015	7.3	5.5
PCSLF1265-7R0T-RC	7.0	30	1	.018	5.7	5.0
PCSLF1265-100T-RC	10	30	1	.020	5.0	4.8
PCSLF1265-150M-RC	15	20	1	.024	4.2	4.4
PCSLF1265-220M-RC	22	20	1	.032	3.5	3.8
PCSLF1265-330M-RC	33	20	1	.041	2.8	3.4
PCSLF1265-470M-RC	47	20	1	.058	2.4	2.8
PCSLF1265-680M-RC	68	20	1	.079	2.0	2.4
PCSLF1265-101M-RC	100	20	1	.123	1.6	1.9
PCSLF1265-221M-RC	220	20	1	.273	1.0	1.2

All specifications subject to change without notice.