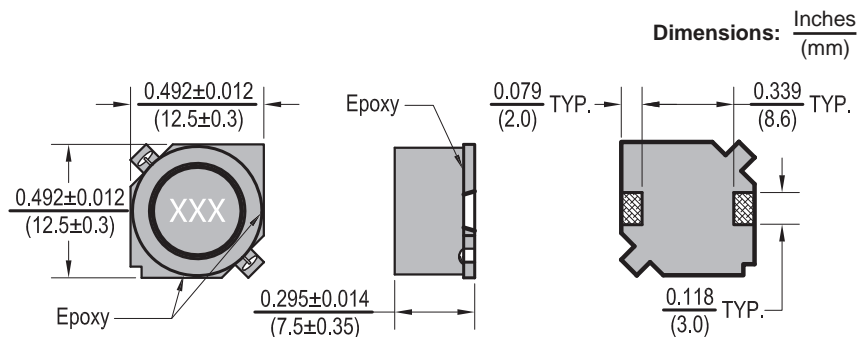


# PCSLF1275 Power Chip Shielded Inductors



## Features

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

## Electrical

**Inductance Range:** 1.2μH to 330μH

**Tolerance:** 30% up to 6.8μH, 20% from 10μH 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 ± 5°C for 10 sec. ± 1 sec.

## Test Equipment

**(L):** HP 4192A

**(RDC):** Chen Hwa 502BC

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

## Physical

**Packaging:** 350 pieces per 13 inch reel.

**Marking:** EIA Inductance Code

Allied Part Number	Inductance (μH)	Tolerance (%)	Test Freq. KHz, 0.5v	DCR (Ω) ±20%	IDC (A)	Itemp (A) Max.
PCSLF1275-1R2T-RC	1.2	30	1	.007	13	8.2
PCSLF1275-2R7T-RC	2.7	30	1	.009	10	7.0
PCSLF1275-3R9T-RC	3.9	30	1	.010	9.0	6.7
PCSLF1275-4R7T-RC	4.7	30	1	.011	7.8	6.3
PCSLF1275-5R6T-RC	5.6	30	1	.012	7.8	6.3
PCSLF1275-6R8T-RC	6.8	30	1	.013	7.2	5.9
PCSLF1275-100M-RC	10	20	1	.016	5.5	5.4
PCSLF1275-150M-RC	15	20	1	.018	4.7	5.0
PCSLF1275-220M-RC	22	20	1	.026	4.0	4.0
PCSLF1275-330M-RC	33	20	1	.039	3.2	3.4
PCSLF1275-470M-RC	47	20	1	.053	2.7	3.0
PCSLF1275-680M-RC	68	20	1	.078	2.0	2.4
PCSLF1275-101M-RC	100	20	1	.125	1.9	1.9
PCSLF1275-151M-RC	150	20	1	.175	1.5	1.6
PCSLF1275-221M-RC	220	20	1	.258	1.3	1.3
PCSLF1275-331M-RC	330	20	1	.340	0.9	

All specifications subject to change without notice.