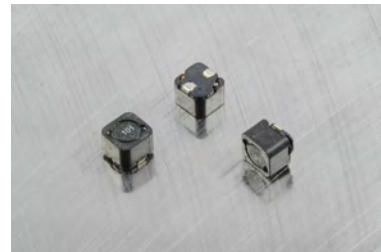
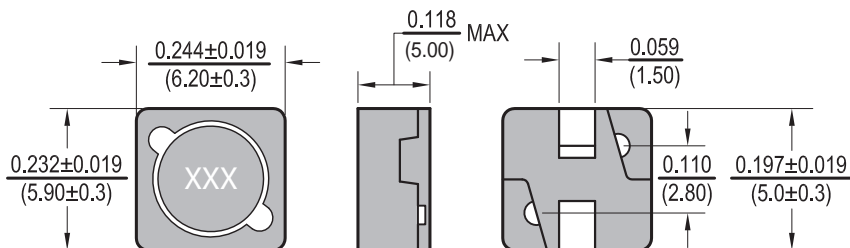


# PCS64 Power Chip Shielded Inductors



Dimensions:  $\frac{\text{Inches}}{\text{(mm)}}$



## Features

- Magnetically Shielded
- Low DC Resistance
- High Energy Storage
- Low Energy Loss
- Suitable for pick and place

## Electrical

**Inductance Range:** 10 $\mu$ h to 1000 $\mu$ h

**Tolerance:** 20% over entire range

**Test Frequency:** 1KHz, 1V

**Operating Temp:** -40°C ~ 85°C

**IDC:** Inductance Drop 35% Typ. at rated IDC.

## Resistance to Soldering Heat

Pre-Heat 150°C, 1 Min.

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

**Solder Temp:** 260°C +/- 5°C

**Immersion time:** 10 sec. +/- 1 sec.

## Test Equipment

**(L):** HP 4192A LF Impedance Analyzer

**(RDC):** Chen Hwa 502

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

## Physical

**Packaging:** 1000 pieces per 13 inch reel.

**Marking:** EIA Inductance Code.

Allied Part Number	Inductance ( $\mu$ h)	Tolerance (%)	Test Freq. KHz, 1V	DCR Max. ( $\Omega$ )	IDC (A)
PCS64-100M-RC	10	20	1	0.12	1.35
PCS64-120M-RC	12	20	1	0.13	1.22
PCS64-150M-RC	15	20	1	0.18	1.11
PCS64-180M-RC	18	20	1	0.24	1.02
PCS64-220M-RC	22	20	1	0.27	0.91
PCS64-270M-RC	27	20	1	0.30	0.82
PCS64-330M-RC	33	20	1	0.33	0.74
PCS64-390M-RC	39	20	1	0.37	0.69
PCS64-470M-RC	47	20	1	0.52	0.62
PCS64-560M-RC	56	20	1	0.56	0.58
PCS64-680M-RC	68	20	1	0.63	0.51
PCS64-820M-RC	82	20	1	0.71	0.46
PCS64-101M-RC	100	20	1	1.03	0.42
PCS64-121M-RC	120	20	1	1.15	0.38
PCS64-151M-RC	150	20	1	1.68	0.35
PCS64-181M-RC	180	20	1	1.87	0.32
PCS64-221M-RC	220	20	1	2.08	0.29
PCS64-271M-RC	270	20	1	2.37	0.26
PCS64-331M-RC	330	20	1	2.67	0.23
PCS64-391M-RC	390	20	1	2.94	0.22
PCS64-471M-RC	470	20	1	3.93	0.20
PCS64-561M-RC	560	20	1	5.43	0.18
PCS64-681M-RC	680	20	1	7.32	0.17
PCS64-821M-RC	820	20	1	8.24	0.15
PCS64-102M-RC	1000	20	1	9.26	0.14

All specifications subject to change without notice.