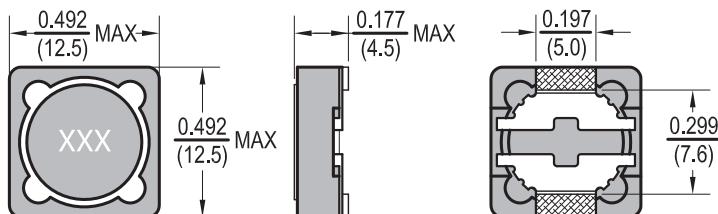




# Power Chip Shielded Inductors PCS124

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



Allied Part Number	Inductance ( $\mu\text{h}$ )	Tolerance (%)	Test Freq. KHz, 1V	DCR Max. ( $\Omega$ )	IDC (A)
PCS124-3R3M-RC	3.3	20	100	0.015	6.5
PCS124-3R9M-RC	3.9	20	100	0.015	6.5
PCS124-4R7M-RC	4.7	20	100	0.018	5.7
PCS124-6R8M-RC	6.8	20	100	0.023	4.9
PCS124-100M-RC	10	20	100	0.028	4.5
PCS124-120M-RC	12	20	100	0.038	4.0
PCS124-150M-RC	15	20	100	0.050	3.2
PCS124-180M-RC	18	20	100	0.057	3.1
PCS124-220M-RC	22	20	100	0.066	2.9
PCS124-270M-RC	27	20	100	0.080	2.8
PCS124-330M-RC	33	20	100	0.097	2.7
PCS124-390M-RC	39	20	100	0.132	2.1
PCS124-470M-RC	47	20	100	0.150	1.9
PCS124-560M-RC	56	20	100	0.190	1.8
PCS124-680M-RC	68	20	100	0.220	1.5
PCS124-820M-RC	82	20	100	0.260	1.3
PCS124-101M-RC	100	20	100	0.308	1.2
PCS124-121M-RC	120	20	100	0.380	1.1
PCS124-151M-RC	150	20	100	0.530	.95
PCS124-181M-RC	180	20	100	0.650	.85
PCS124-221M-RC	220	20	100	0.700	.80
PCS124-271M-RC	270	20	100	0.876	.60
PCS124-331M-RC	330	20	100	0.990	.50

## Features

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

## Electrical

**Inductance Range:** 3.3 $\mu\text{h}$  to 330 $\mu\text{h}$

**Tolerance:** 20% Across entire range

**Test Frequency:** 100KHz, 1V

**Operating Temp:** -40°C ~ 85°C

**Rated Current:** Inductance drop 35% Typical

## Resistance to Soldering Heat

Pre-Heat 150°C, 1 min.

**Solder Temp:** 260°C  $\pm$  5°C

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

**Immersion Time:** 10 sec.  $\pm$  1 sec.

## Test Equipment

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

**(RDC):** Chen Hwa 502

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

## Physical

**Packaging:** 500 pieces per 13 inch reel

**Marking:** EIA Inductance Code