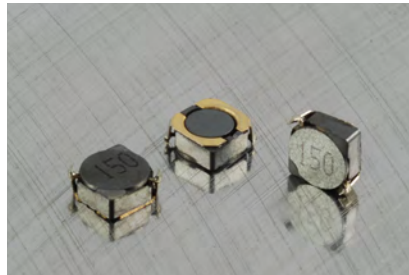
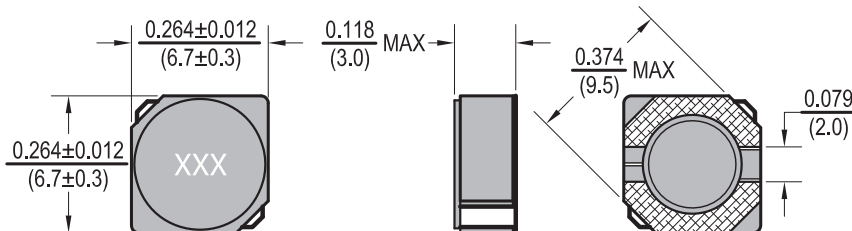




# Power Chip Shielded Inductors PCS6D28



Dimensions: Inches  
(mm)



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. KHz, 1V	RDC (Ω) Max.	Rated Current (A)
PCS6D28-3R0N-RC	3.0	30	10	.024	3.00
PCS6D28-3R9N-RC	3.9	30	10	.027	2.60
PCS6D28-4R7N-RC	4.7	30	10	.031	2.40
PCS6D28-5R0N-RC	5.0	30	10	.031	2.40
PCS6D28-6R0N-RC	6.0	30	10	.035	2.25
PCS6D28-6R8N-RC	6.8	30	10	.050	2.15
PCS6D28-7R3N-RC	7.3	30	10	.054	2.10
PCS6D28-8R6N-RC	8.6	30	10	.058	1.85
PCS6D28-100N-RC	10	30	10	.065	1.70
PCS6D28-120N-RC	12	30	10	.070	1.55
PCS6D28-150N-RC	15	30	10	.084	1.40
PCS6D28-180N-RC	18	30	10	.095	1.32
PCS6D28-220N-RC	22	30	10	.128	1.20
PCS6D28-270N-RC	27	30	10	.142	1.05
PCS6D28-330N-RC	33	30	10	.165	0.97
PCS6D28-390N-RC	39	30	10	.210	0.86
PCS6D28-470N-RC	47	30	10	.238	0.80
PCS6D28-560N-RC	56	30	10	.277	0.73
PCS6D28-680N-RC	68	30	10	.304	0.65
PCS6D28-820N-RC	82	30	10	.390	0.60
PCS6D28-101N-RC	100	30	10	.535	0.54
PCS6D28-221N-RC	220	30	10	1.30	0.30

All specifications subject to change without notice.

## Features

- Shielded SMD Power Inductor
- Low profile
- Low DC resistance
- Ideal for DC-DC converter applications

## Electrical

**Inductance Range:** 3μh to 220μh

**Tolerance:** 30% over entire range  
Also, available in tighter tolerances

**Operating Temp:** -30°C ~ +100°C

**Rated Current:** Current at which inductance drop by 35% of initial value or ΔT=40°C lower, whichever is lower

## Resistance to Soldering Heat

Pre-Heat 150°C, 1 Min.

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

**Solder Temp:** 260°C +/- 5°C for  
10 sec. +/- 1 sec.

## Test Equipment

**(L):** HP4284A LF Impedance Analyzer

**(RDC):** Chen Hwa 502

**Rated Current:** HP4284+HP42841A or  
Chen Hwa 1061 + Chen Hwa 301A

## Physical

**Packaging:** 1500 pieces per 13 inch reel.

**Marking:** EIA Inductance Code