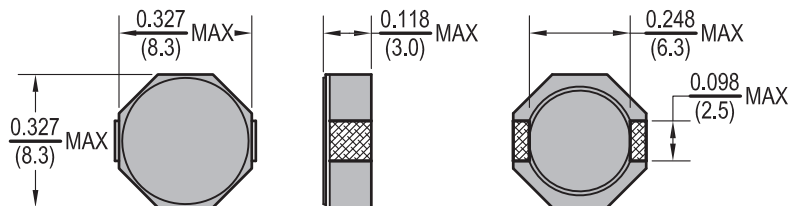




# Shielded Power Chip Inductor PCS8D28

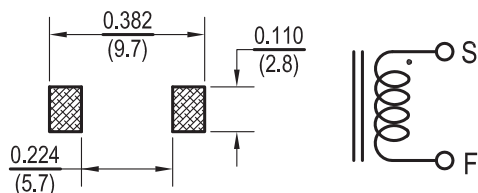


Dimensions:  $\frac{\text{Inches}}{\text{(mm)}}$



Allied Part Number	Inductance ( $\mu\text{h}$ )	Tolerance (%)	Test Freq. KHz, 0.25V	RDC (m $\Omega$ ) Max.	Rated Current (A) Max
PCS8D28-1R0M-RC	1.0	20	100	11	6.50
PCS8D28-2R5M-RC	2.5	20	100	15.6	5.40
PCS8D28-3R3M-RC	3.3	20	100	18.2	4.00
PCS8D28-4R7M-RC	4.7	20	100	24.7	3.40
PCS8D28-7R3M-RC	7.3	20	100	39	2.80
PCS8D28-100M-RC	10	20	100	47	2.50
PCS8D28-150M-RC	15	20	100	69	1.90
PCS8D28-220M-RC	22	20	100	99	1.60
PCS8D28-330M-RC	33	20	100	156	1.30
PCS8D28-470M-RC	47	20	100	195	1.15
PCS8D28-680M-RC	68	20	100	286	0.92
PCS8D28-101M-RC	100	20	100	430	0.75

All specifications subject to change without notice.



## Features

- SMD Power Inductor
- Magnetically shielded
- Low DC resistance
- High Current
- Ideal for DC-DC converter applications

## Electrical

**Inductance Range:** 1.0 $\mu\text{h}$  to 100 $\mu\text{h}$ , Available in additional values

**Tolerance:** 20% over entire range  
Also, available in tighter tolerances

**Operating Temp:** -40°C ~ +85°C

**Storage Temp:** -40°C ~ +125°C

**Rated Current:** Current at which inductance drop by 35% of initial value or the temperature has risen by 40°C whichever occurs first

## 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): HP4287 LCR Meter or equal

(RDC): CH502BC or equal

(Current): VR126G / 7220 Meter

## Physical

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

**Marking:** EIA Inductance Code