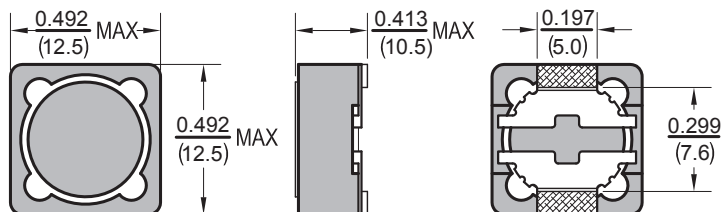




# Power Chip Shielded Inductors PCSDR129



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



Allied Part Number	Inductance ( $\mu\text{H}$ )	Tolerance (%)	Test Freq. KHz, 0.25V	DCR (m $\Omega$ ) Max	I rms (A) Max	I sat (A) Typ
PCSDR129-101M-RC	100	20	100	125	2.4	3.1
PCSDR129-221M-RC	220	20	100	300	1.7	2.2

All specifications subject to change without notice.

## Features

- Magnetically Shielded
- High saturation current
- Expanded operating temp range
- Low DC Resistance
- High Energy Storage
- Low Energy Loss
- Suitable for pick and place

## Electrical

**Inductance Range:** 100 $\mu\text{H}$ ~220 $\mu\text{H}$   
other values available

**Tolerance:** 20%,

**Test Frequency:** 1KHz, 0.25V

**Operating Temp:** -40°C ~ +105°C

**I<sub>rms</sub>:** Current at which the  $\Delta T=40^\circ\text{C}$

**I<sub>sat</sub>:** Current at which the inductance drops 10% from initial value

## 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 4284A LCR meter or equivalent

**(RDC):** HP 4338B Milliohm meter or equivalent

**(IDC):** 3260B WK & DC Bias 3265B WK

## Physical

**Packaging:** 300 pieces per 13 inch reel.

**Marking:** EIA Inductance Code.