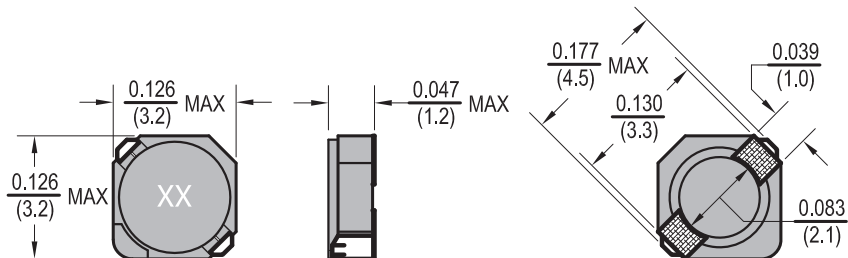




# Power Chip Shielded Inductors PCS2D11



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



Allied Part Number	Inductance ( $\mu\text{h}$ )	Tolerance (%)	Test Freq. KHz, 1v	DCR ( $\Omega$ ) Max	Rated Current (A)	I <sub>rms</sub> (A) Typ.
PCS2D11-1R0T-RC	1.0	30	100	0.054	0.88	1.70
PCS2D11-1R5T-RC	1.5	30	100	0.068	0.90	1.48
PCS2D11-2R2T-RC	2.2	30	100	0.098	0.78	1.27
PCS2D11-3R3T-RC	3.3	30	100	0.123	0.60	1.02
PCS2D11-3R9T-RC	3.9	30	100	0.160	0.60	0.88
PCS2D11-4R7T-RC	4.7	30	100	0.170	0.50	0.88
PCS2D11-6R8T-RC	6.8	30	100	0.260	0.44	0.80
PCS2D11-100T-RC	10	30	100	0.400	0.35	0.65
PCS2D11-150T-RC	15	30	100	0.600	0.25	0.65
PCS2D11-220T-RC	22	30	100	0.950	0.16	0.65

All specifications subject to change without notice.

## Features

- Shielded SMD Power Inductor
- Low profile suitable for pick and place
- Low DC resistance
- Ideal for DC-DC converter applications

## Electrical

**Inductance Range:** 1.0 $\mu\text{h}$  to 22 $\mu\text{h}$

**Tolerance:** 30% over entire range

Also, available in tighter tolerances

**Operating Temp:** -30°C ~ +100°C

**Rated Current:** Current at which inductance drop is equal to 35% typ.

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

## 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): PM3260A / HP4284A / HP4285A

(RDC): Chen Hwa 502BC

**Rated Current:** HP4284A+HP42841A or Chen Hwa 1061 + Chen Hwa 301A

## Physical

**Packaging:** 1000 pieces per 7 inch reel.

**Marking:** 2 Character Alpha Code