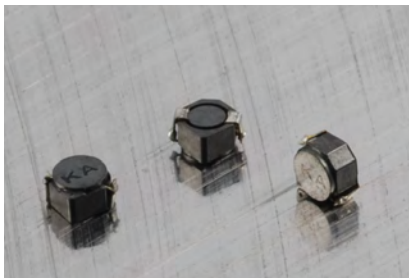
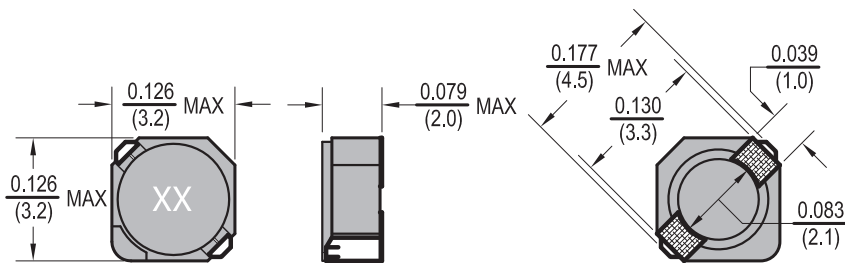




Power Chip Shielded Inductors PCSLR2D18



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



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. KHz, 1v	DCR (Ω) Max	Rated Current (A)	I _{rms} (A) Max.
PCSLR2D18-2R2T-RC	2.2	30	100	0.041	0.85	2.30
PCSLR2D18-3R3T-RC	3.3	30	100	0.054	0.75	2.10
PCSLR2D18-4R7T-RC	4.7	30	100	0.078	0.63	1.65
PCSLR2D18-6R8T-RC	6.8	30	100	0.106	0.52	1.32
PCSLR2D18-100T-RC	10	30	100	0.180	0.43	1.00
PCSLR2D18-150T-RC	15	30	100	0.220	0.35	0.80
PCSLR2D18-220T-RC	22	30	100	0.320	0.30	0.68
PCSLR2D18-330T-RC	33	30	100	0.460	0.24	0.56
PCSLR2D18-390T-RC	39	30	100	0.600	0.22	
PCSLR2D18-470T-RC	47	30	100	0.660	0.20	0.48

All specifications subject to change without notice.

Features

- Shielded SMD Power Inductor
- Low DC Resistance
- Ideal for use in DC-DC converter applications

Electrical

Inductance Range: 2.2μH to 47μH

Tolerance: 30% over entire range, tighter tolerances available

Operating Temp: -30°C ~ +100°C

IDC: Current at which inductance drops by 10% of initial value

I_{temp} current: Value obtained when current flows and the temperature has risen to 40°C

Resistance to Soldering Heat

Pre-Heat 150°C, 1 minute.

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

(IDC): HP4284 + HP42841A /

Chen Hwa 1061 + 301A

Physical

Packaging: 1000 pieces per 7 inch reel.

Marking: EIA Inductance Code