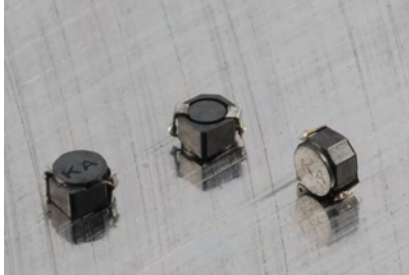
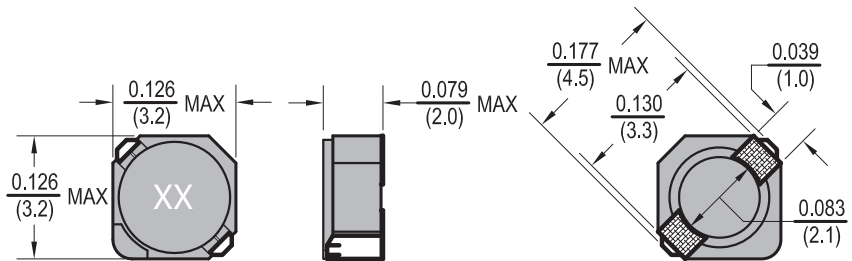




Power Chip Shielded Inductors PCSLR2D18



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: 2.2 μH to 47 μH

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 \pm 5°C for 10 sec. \pm 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