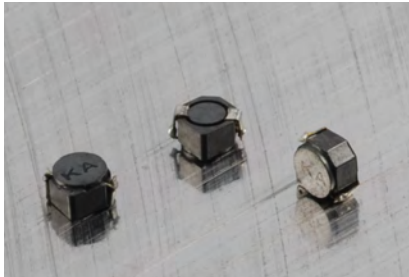
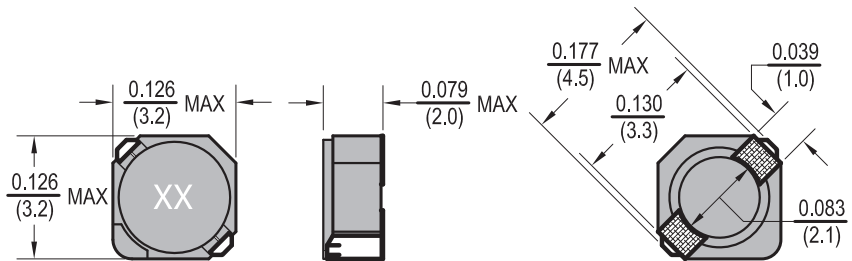




Power Chip Shielded Inductors PCSLR2D18



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. | Marking |
|----------------------|-----------------|---------------|--------------------|-------------|-------------------|---------------------------|---------|
| PCSLR2D18-2R2_-RC | 2.2 | 30 | 100 | 0.041 | 0.85 | 2.30 | CC |
| PCSLR2D18-3R3_-RC | 3.3 | 30 | 100 | 0.054 | 0.75 | 2.10 | DD |
| PCSLR2D18-4R7_-RC | 4.7 | 30 | 100 | 0.078 | 0.63 | 1.65 | EH |
| PCSLR2D18-6R8_-RC | 6.8 | 30 | 100 | 0.106 | 0.52 | 1.32 | GI |
| PCSLR2D18-100_-RC | 10 | 30 | 100 | 0.180 | 0.43 | 1.00 | KA |
| PCSLR2D18-150_-RC | 15 | 30 | 100 | 0.220 | 0.35 | 0.80 | MA |
| PCSLR2D18-220_-RC | 22 | 30 | 100 | 0.320 | 0.30 | 0.68 | LA |
| PCSLR2D18-330_-RC | 33 | 30 | 100 | 0.460 | 0.24 | 0.56 | NA |
| PCSLR2D18-390_-RC | 39 | 30 | 100 | 0.600 | 0.22 | | PA |
| PCSLR2D18-470_-RC | 47 | 30 | 100 | 0.660 | 0.20 | 0.48 | OA |

*For 20% insert "M", for 30% insert "T" 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: Available in 20% and 30%

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: As Shown