



| *Allied Part Number | Inductance (μH) | Tolerance (±%) | Test Freq. KHz, 1V | DCR (Ω) Max | Isat (A) Max (Typ) | Irms (A) Typ | Marking |
|---------------------|-----------------|----------------|--------------------|-------------|--------------------|--------------|---------|
| PCSLR2D18-2R2_-RC | 2.2 | 20, 30 | 100 | .041 | 0.85(1.10) | 2.30 | CC |
| PCSLR2D18-3R3_-RC | 3.3 | 20, 30 | 100 | .054 | 0.75(0.95) | 2.10 | DD |
| PCSLR2D18-4R7_-RC | 4.7 | 20, 30 | 100 | .078 | 0.63(0.78) | 1.65 | EH |
| PCSLR2D18-6R8_-RC | 6.8 | 20, 30 | 100 | .106 | 0.52(0.65) | 1.32 | GI |
| PCSLR2D18-100_-RC | 10 | 20, 30 | 100 | .180 | 0.43(0.53) | 1.00 | KA |
| PCSLR2D18-150_-RC | 15 | 20, 30 | 100 | .220 | 0.35(0.45) | 0.80 | MA |
| PCSLR2D18-220_-RC | 22 | 20, 30 | 100 | .320 | 0.30(0.36) | 0.68 | LA |
| PCSLR2D18-330_-RC | 33 | 20, 30 | 100 | .460 | 0.24(0.31) | 0.56 | NA |
| PCSLR2D18-390_-RC | 39 | 20, 30 | 100 | .600 | 0.21(0.28) | 0.50 | PA |
| PCSLR2D18-470_-RC | 47 | 20, 30 | 100 | .660 | 0.19(0.24) | 0.48 | OA |

*For desired inductance tolerance, enter tolerance designator: M=20%, N=30%
All specifications subject to change without notice.

Features

- Shielded SMD Power Inductor
- Low DC Resistance
- Ideal for use in DC-DC converter applications
- MSL level 1

Electrical

Inductance Range: 2.2μH to 47μH
Tolerance: Available in 20% and 30%
Operating Temp: -30°C to +100°C
Isat: Current at which inductance drops by 35% of initial value without current
Irms: Current when temp rise is ΔT 40°C from 25°C ambient temp

Resistance to Soldering Heat

Pre-Heat: 150°C, 1 minute
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp: 260°C ± 5°C
Immersion Time: 10 ± 1 sec

Test Equipment

(L): HP4291A
DCR: Digital Multimeter SC-7401

Physical

Packaging: 1000 pieces per 7 inch reel
Marking: As Shown