



*Allied Part Number	Inductance ( $\mu\text{H}$ )	Tolerance ( $\pm\%$ )	Test Freq. KHz, 1V	DCR ( $\Omega$ ) 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:** 2.2 $\mu\text{H}$  to 47 $\mu\text{H}$   
**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  $\Delta T$  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  $\pm$  5°C  
**Immersion Time:** 10  $\pm$  1 sec

### Test Equipment

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

### Physical

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