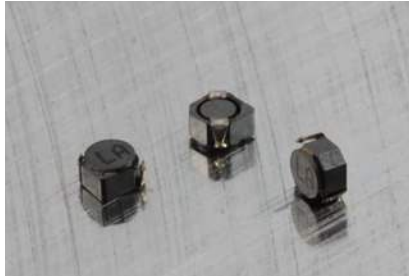
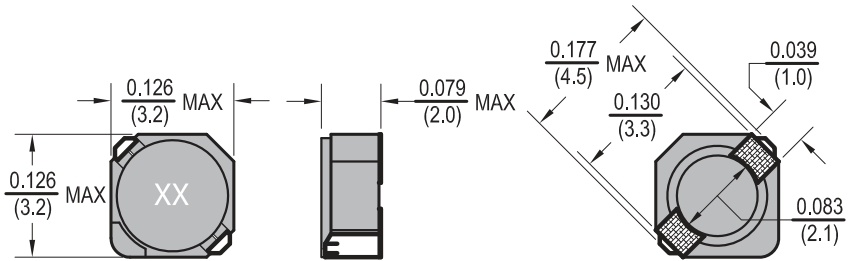




Power Chip Shielded Inductors PCSHC2D18



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) Typ	Marking
PCSHC2D18-1R7T-RC	1.7	30	100	0.044	1.85	2.20	BH
PCSHC2D18-2R2T-RC	2.2	30	100	0.060	1.60	1.90	CC
PCSHC2D18-3R3T-RC	3.3	30	100	0.086	1.45	1.55	DD
PCSHC2D18-4R7T-RC	4.7	30	100	0.140	1.20	1.20	EH
PCSHC2D18-6R3T-RC	6.3	30	100	0.160	1.05	1.15	GD
PCSHC2D18-6R8T-RC	6.8	30	100	0.195	1.00		GI
PCSHC2D18-100T-RC	10	30	100	0.245	0.85	0.90	KA
PCSHC2D18-150T-RC	15	30	100	0.345	0.70	0.64	MA
PCSHC2D18-220T-RC	22	30	100	0.650	0.50		LA

All specifications subject to change without notice.

Features

- Shielded SMD Power Inductor
- Low DC resistance
- Ideal for DC-DC converter applications

Electrical

Inductance Range: 1.7μh to 22μh
Tolerance: 30% over entire range
 Also, available in tighter tolerances
Operating Temp: -30°C ~ +100°C
Rated Current: Current at which inductance drops by 35% of initial value
I_{rms}: Current at which the ΔT=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): HP 4192A LF Impedance Analyzer
(RDC): Chen Hwa 502
(IDC): HP4284A + HP42841A

Physical

Packaging: 1000 pieces per 7 inch reel.
Marking: As noted