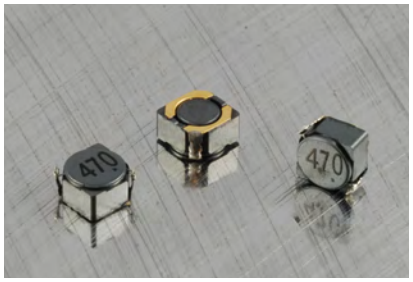
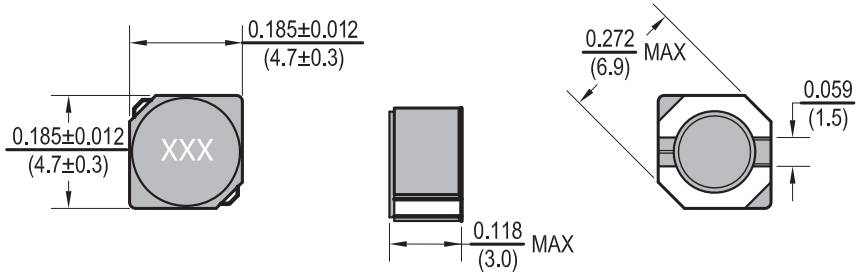
RoHS

Power Chip Shielded Inductors PCS4D28



Dimensions: Inches (mm)



Allied Part Number	Inductance (µh)	Tolerance (%)	Test Freq. KHz, 1V	DCR Max. (Ω)	IDC (A)
PCS4D28-1R2T-RC	1.2	30	100	0.024	2.56
PCS4D28-1R8T-RC	1.8	30	100	0.028	2.20
PCS4D28-2R0T-RC	2.0	30	100	0.030	2.10
PCS4D28-2R2T-RC	2.2	30	100	0.031	2.04
PCS4D28-2R7T-RC	2.7	30	100	0.043	1.60
PCS4D28-3R3T-RC	3.3	30	100	0.049	1.57
PCS4D28-3R9T-RC	3.9	30	100	0.065	1.44
PCS4D28-4R7T-RC	4.7	30	100	0.072	1.32
PCS4D28-5R6T-RC	5.6	30	100	0.101	1.17
PCS4D28-6R8T-RC	6.8	30	100	0.109	1.12
PCS4D28-8R2T-RC	8.2	30	100	0.118	1.04
PCS4D28-100T-RC	10	30	100	0.128	1.00
PCS4D28-120T-RC	12	30	100	0.132	0.84
PCS4D28-150T-RC	15	30	100	0.149	0.76
PCS4D28-180T-RC	18	30	100	0.166	0.72
PCS4D28-220T-RC	22	30	100	0.235	0.70
PCS4D28-270T-RC	27	30	100	0.261	0.58
PCS4D28-330T-RC	33	30	100	0.331	0.56
PCS4D28-390T-RC	39	30	100	0.384	0.50
PCS4D28-470T-RC	47	30	100	0.587	0.48
PCS4D28-560T-RC	56	30	100	0.625	0.41
PCS4D28-680T-RC	68	30	100	0.699	0.35
PCS4D28-820T-RC	82	30	100	0.915	0.32
PCS4D28-101T-RC	100	30	100	1.02	0.29
PCS4D28-121T-RC	120	30	100	1.27	0.27
PCS4D28-151T-RC	150	30	100	1.35	0.24
PCS4D28-181T-RC	180	30	100	1.54	0.22
PCS4D28-221T-RC	220	30	100	2.00	0.20
PCS4D28-331T-RC	330	30	100	2.66	0.14

All specifications subject to change without notice.

Features

- Shielded SMD Power Inductor
- Low profile suitable for pick and place
- Low DC resistance
- Ideal for DC-DC converter applications

Electrical

Inductance Range: 1.2µH to 220µH
Tolerance: 30% over entire range, tighter tolerances available.
Operating Temp: -30ºC ~ +100ºC
IDC: Current at which inductance drops by 35% of initial value or ΔT=40ºC lower, whichever is lower.

Resistance to Soldering Heat

Pre-Heat 150ºC, 1 min.
Solder Temp: 260ºC ± 5ºC for 10sec ± 1sec.
Solder Composition: Sn/Ag3.0/Cu0.5

Test Equipment

(L): HP 4192A LF Impedance Analyzer
(RDC): Chen Hwa 502

Physical

Packaging: 2000 pieces per 13 inch reel
Marking: EIA Inductance Code