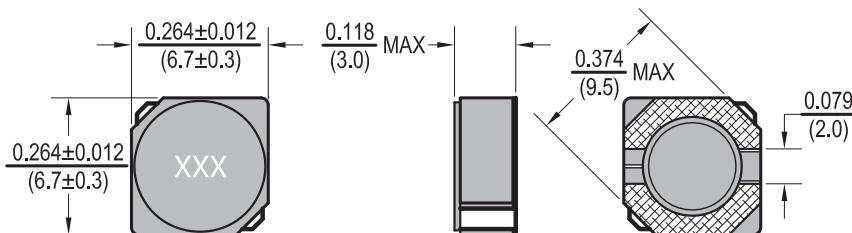




Power Chip Shielded Inductors PCS6D28

Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$



Allied Part Number	Inductance (μ h)	Tolerance (%)	Test Freq. KHz, 1V	RDC (Ω) Max.	Rated Current (A)
PCS6D28-3R0N-RC	3.0	30	10	.024	3.00
PCS6D28-3R9N-RC	3.9	30	10	.027	2.60
PCS6D28-4R7N-RC	4.7	30	10	.031	2.40
PCS6D28-5R0N-RC	5.0	30	10	.031	2.40
PCS6D28-6R0N-RC	6.0	30	10	.035	2.25
PCS6D28-6R8N-RC	6.8	30	10	.050	2.15
PCS6D28-7R3N-RC	7.3	30	10	.054	2.10
PCS6D28-8R6N-RC	8.6	30	10	.058	1.85
PCS6D28-100N-RC	10	30	10	.065	1.70
PCS6D28-120N-RC	12	30	10	.070	1.55
PCS6D28-150N-RC	15	30	10	.084	1.40
PCS6D28-180N-RC	18	30	10	.095	1.32
PCS6D28-220N-RC	22	30	10	.128	1.20
PCS6D28-270N-RC	27	30	10	.142	1.05
PCS6D28-330N-RC	33	30	10	.165	0.97
PCS6D28-390N-RC	39	30	10	.210	0.86
PCS6D28-470N-RC	47	30	10	.238	0.80
PCS6D28-560N-RC	56	30	10	.277	0.73
PCS6D28-680N-RC	68	30	10	.304	0.65
PCS6D28-820N-RC	82	30	10	.390	0.60
PCS6D28-101N-RC	100	30	10	.535	0.54
PCS6D28-221N-RC	220	30	10	1.30	0.30

All specifications subject to change without notice.

Features

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

Electrical

Inductance Range: 3μ h to 220μ h

Tolerance: 30% over entire range

Also, available in tighter tolerances

Operating Temp: -30°C ~ $+100^{\circ}\text{C}$

Storage Temp: Under 25°C

Rated Current: Current at which inductance drop by 35% of initial value or $\Delta T=40^{\circ}\text{C}$ lower, whichever is lower

Resistance to Soldering Heat

Pre-Heat 150°C , 1 Min.

Solder Composition: Sn/Ag3.0/Cu0.5

Solder Temp: 260°C +/- 5°C for 10 sec. +/- 1 sec.

Test Equipment

(L): HP4284A LF Impedance Analyzer

(RDC): Chen Hwa 502

Rated Current: HP4284+HP42841A or Chen Hwa 1061 + Chen Hwa 301A

Physical

Packaging: 1500 pieces per 13 inch reel.

Marking: EIA Inductance Code