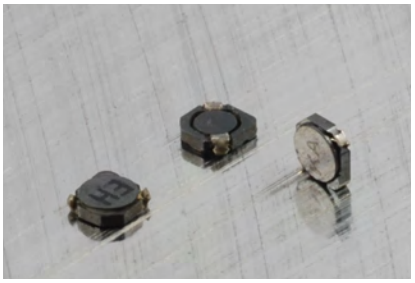
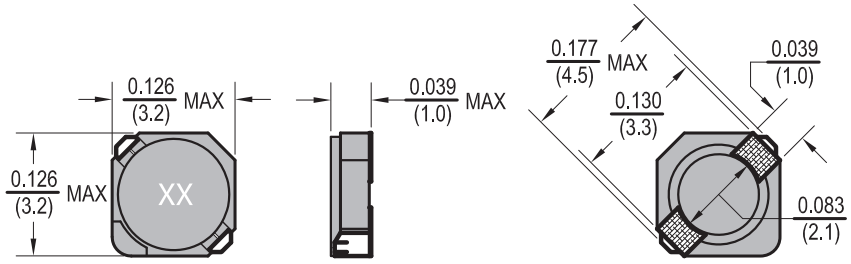
RoHS

Power Chip Shielded Inductors PCS2D09

Dimensions: Inches / (mm)





Allied Part Number	Inductance (µh)	Tolerance (%)	Test Freq. KHz,1v	RDC (Ω) Max	Rated Current (A)	Irms (A) Typ.
PCS2D09-1R2T-RC	1.2	30	100	0.0975	0.53	1.24
PCS2D09-1R5T-RC	1.5	30	100	0.1100	0.40	1.15
PCS2D09-1R8T-RC	1.8	30	100	0.1313	0.34	1.06
PCS2D09-2R2T-RC	2.2	30	100	0.1438	0.32	1.05
PCS2D09-2R7T-RC	2.7	30	100	0.1500	0.28	0.98
PCS2D09-3R3T-RC	3.3	30	100	0.1938	0.25	0.84
PCS2D09-3R9T-RC	3.9	30	100	0.2250	0.23	0.72
PCS2D09-4R7T-RC	4.7	30	100	0.2875	0.21	0.64
PCS2D09-5R6T-RC	5.6	30	100	0.3250	0.19	0.59
PCS2D09-6R8T-RC	6.8	30	100	0.4250	0.17	0.53
PCS2D09-8R2T-RC	8.2	30	100	0.4750	0.15	0.46
PCS2D09-100T-RC	10	30	100	0.5375	0.14	0.42
PCS2D09-220T-RC	22	30	100	1.5000	0.15	
PCS2D09-330T-RC	33	30	100	1.8000	0.14	

All specifications subject to change without notice.

Features

- Shielded SMD Power Inductor
- Available in magnetically shielded
- Low DC resistance
- Ideal for DC-DC converter applications

Electrical

Inductance Range: 1.2µh to 33µh
Tolerance: 30% over entire range
Also, available in tighter tolerances
Test Frequency: 100KHz, 0.1V
Operating Temp: -30ºC ~ +100ºC
Rated Current: Current at which inductance drop is equal to 35% typ.
Irms: current at which ΔT=40m

Resistance to Soldering Heat

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

Test Equipment

(L): PM3260A / HP4284A / HP4285A
(RDC): Chen Hwa 502BC
Rated Current: HP4284A+HP42841A or Chen Hwa 1061 + Chen Hwa 301A

Physical

Packaging: 1000 pieces per 7 inch reel.
Marking: 2 Character alpha code