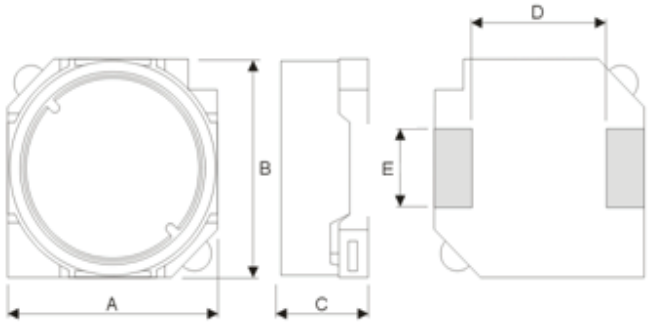
Power Chip Shielded Inductors PCSLF0628

Dimensions: Inches (mm)

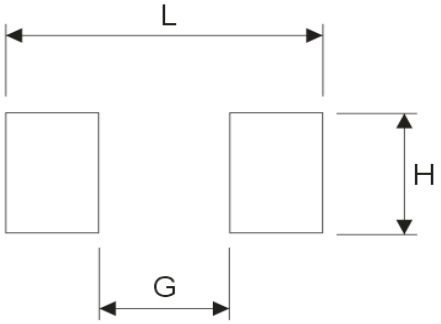


A	B	C	D	E
0.236±0.011 6.0±0.30	0.236±0.011 6.0±0.30	0.118 3.00	0.157 4.00 Typ	0.078±0.007 2.00±0.20

Allied Part Number	Inductance (µH)	Tolerance (%)	Test Freq. KHz,0.5V	DCR (Ω) Max	Isat (A) Max	Irms (A) Max
PCSLF0628-4R7M-RC	4.7	20	1	0.034	1.6	2.5
PCSLF0628-6R8M-RC	6.8	20	1	0.0425	1.5	2.2
PCSLF0628-100M-RC	10	20	1	0.064	1.3	1.8
PCSLF0628-150M-RC	15	20	1	0.09	1.0	1.4
PCSLF0628-220M-RC	22	20	1	0.125	0.77	1.3
PCSLF0628-330M-RC	33	20	1	0.178	0.69	1.1
PCSLF0628-470M-RC	47	20	1	0.252	0.59	0.92
PCSLF0628-680M-RC	68	20	1	0.348	0.50	0.78
PCSLF0628-101M-RC	100	20	1	0.516	0.42	0.64

All specifications subject to change without notice.

Solder Pattern: Inches (mm)



L	G	H
0.275 7	0.157 4	0.086 2.2

Features

- Shielded SMD Power Inductor
- Suitable for high current applications
- Low profile
- Low Power loss and High current

Electrical

Inductance Range: 4.7µH to 100µH
Tolerance: 20% over entire range
Operating Temp: -55ºC ± 125ºC
Isat: Current at which inductance drops by 35% of intial value
Irms: Current at which the temperature has risen to 40ºC from initial Temp.

Resistance to Soldering Heat

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

Test Equipment

(L): LCR-meter 4284A(HP)
(DCR): HP4338B
(Isat): LCR-meter 3260B(WK) & DC Bias 32658(WK)

Physical

Packaging: 1000 piece per 13 inch reel.
Marking: EIA Inductance Code