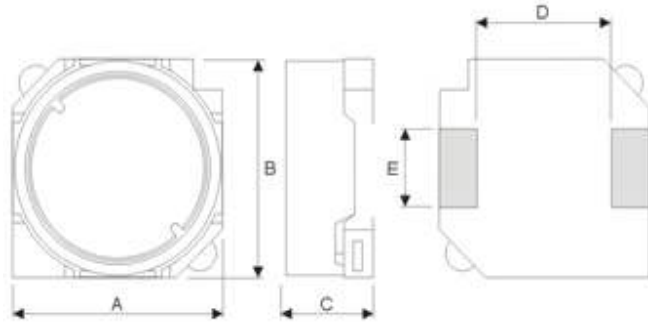




Power Chip Shielded Inductors PCSLF0628



Dimensions: Inches (mm)



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

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: -55°C ± 125°C

Isat: Current at which inductance drops by 35% of initial value

Irms: Current at which the temperature has risen to 40°C from initial Temp.

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): LCR-meter 4284A(HP)

(DCR): HP4338B

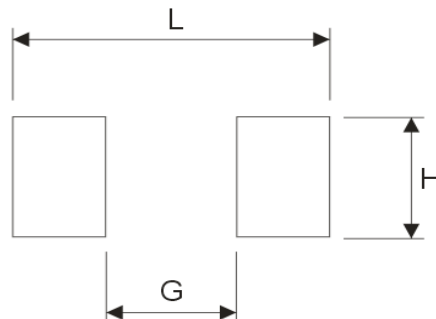
(Isat): LCR-meter 3260B(WK) & DC Bias 32658(WK)

Physical

Packaging: 1000 piece per 13 inch reel.

Marking: EIA Inductance Code

Solder Pattern: Inches (mm)



L	G	H
0.275	0.157	0.086
7	4	2.2