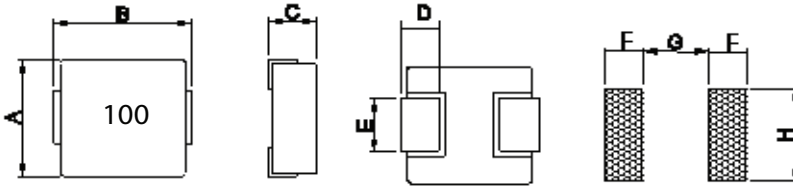




SMD Shielded Flat Wire Power Choke PCSFW104B

Dimensions: (mm)



A	B	C	D	E	F	G	H
10.4 Max	11.5 Max	4.0 Max	2.0 ±0.5	2.9 ±0.5	3.5	6.0	4.0



Allied Part Number	Inductance (μH)	Tolerance (±%)	Test Frequency (KHz, 0.25V)	DCR (mΩ) Max	Isat (A) Typ	Irms (A) Typ
PCSFW104B-R19M	0.19	20	100	0.95	90.0	40.0
PCSFW104B-R22M	0.22	20	100	0.95	90.0	40.0
PCSFW104B-R36M	0.36	20	100	1.40	60.0	31.5
PCSFW104B-R47M	0.47	20	100	1.60	38.0	26.0
PCSFW104B-R56M	0.56	20	100	1.80	49.0	27.5
PCSFW104B-R68M	0.68	20	100	2.40	42.0	23.0
PCSFW104B-1R0M	1.0	20	100	4.10	36.0	17.5
PCSFW104B-1R5M	1.5	20	100	5.80	27.5	15.0
PCSFW104B-2R2M	2.2	20	100	9.00	25.6	12.0
PCSFW104B-3R3M	3.3	20	100	11.80	18.6	10.0
PCSFW104B-4R7M	4.7	20	100	16.50	17.0	9.5
PCSFW104B-5R6M	5.6	20	100	19.30	16.0	8.5
PCSFW104B-6R8M	6.8	20	100	23.30	13.5	8.0
PCSFW104B-100M	10	20	100	36.50	12.0	6.8

All specifications subject to change without notice.

Features

- Magnetically Shielded Construction
- Ultra High Saturation Current up to 90A
- Low DC Resistance
- Expanded operating temp range
- Suitable for pick and place

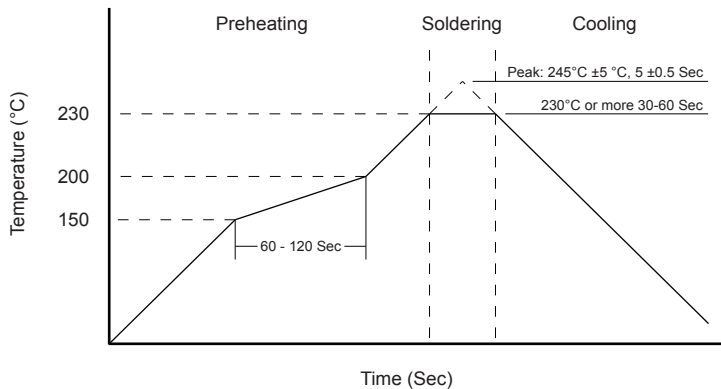
Electrical

Inductance Range: 0.19μH to 10μH
Tolerance: 20% over entire range
Test Frequency: 100KHz, 0.25V
Operating Temp: -55°C to +125°C
Irms: Current at which the temperature would rise by approximately 40°C
Isat: Current at which The Inductance will drop by approximately 25%
 Under no condition should the part exceed 125°C

Resistance to Soldering Heat

Solderability: 230°C ±5°C for 4 ±1 sec.
Solder Heat Resistance: 260°C ±5°C for 10 ±1 sec.

Recommended Reflow Solder Profile



Test Equipment

(L): HP4284A LCR meter
DCR: Milli-ohm meter

Physical

Packaging: 1000pcs per 13 inch reel
Marking: EIA Inductance Code