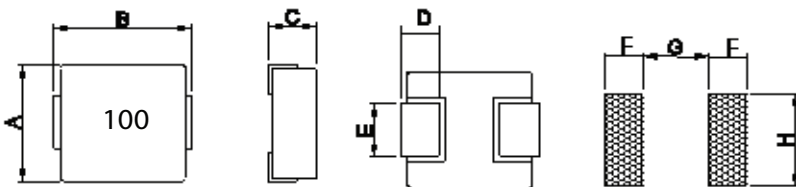
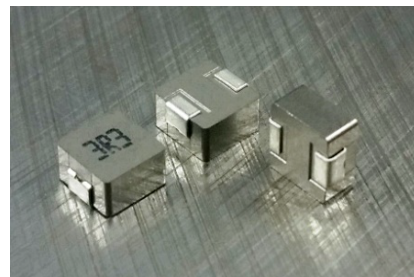




Dimensions: (mm)



A	B	C	D	E	F	G	H
4.2±0.25	4.4±0.35	1.8±0.2	0.8±0.3	2.0±0.3	1.5	2.2	2.5



Allied Part Number	Inductance (μH)	Tolerance (±%)	Test Frequency (KHz, 0.25V)	DCR (mΩ) Max	Isat (A) Typ	Irms (A) Typ
PCSFW420-R22M	0.22	20	100	6.6	12.5	9.5
PCSFW420-R47M	0.47	20	100	14.0	9.5	7.5
PCSFW420-R68M	0.68	20	100	18.0	9.0	7.0
PCSFW420-1R0M	1.0	20	100	27.0	7.0	6.0
PCSFW420-1R5M	1.5	20	100	46.0	6.0	5.0
PCSFW420-2R2M	2.2	20	100	58.0	5.0	4.5
PCSFW420-3R3M	3.3	20	100	87.0	4.0	3.3
PCSFW420-4R7M	4.7	20	100	105.0	3.0	2.8
PCSFW420-6R8M	6.8	20	100	175.0	2.5	2.4
PCSFW420-100M	10	20	100	282.0	2.2	1.6

All specifications subject to change without notice.

Features

- Magnetically Shielded Construction
- Ultra High Saturation Current up to 12A
- Low DC Resistance
- Expanded operating temp range
- Suitable for pick and place

Electrical

Inductance Range: 0.22μH to 10μH

Tolerance: 20% over entire range

Test Frequency: 100KHz, 0.25V

Operating Temp: -55°C ~ +125°C

Storage Temp: -55°C ~ +125°C

Irms: Current at which The Temperature would Rise by Approximately 40°C

Isat: Current at which The Inductance will Drop by Approximately 30%

Under no condition should the part exceed 125°C

Resistance to Soldering Heat

Pre-Heat: 160°C ±10°C

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

Temp: 85°C ± 2°C

Test Equipment

(L): HP4284A LCR meter

DCR: Milli-ohm meter

Physical

Packaging: 3000pcs per 13 inch reel

Marking: EIA Inductance Code