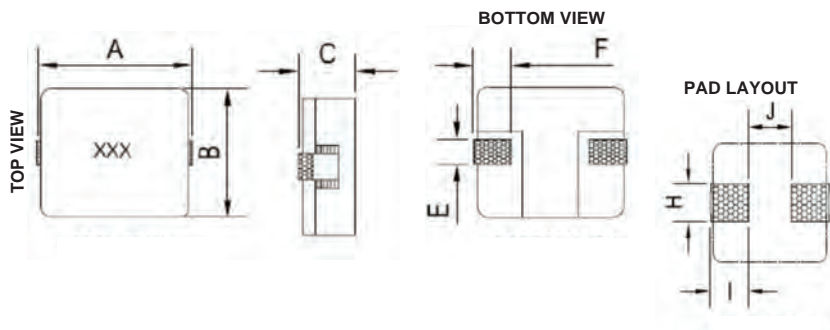




Shielded Power Choke Flat Wire

PCSFW189



Allied Part Number	Inductance (μH)	Tolerance (%)	Test Freq. KHz, 1v	DCR (mΩ) Max	Isat (A) Max.	(L) Typ @ Isat Ω
PCSFW189-1R9M	1.9	20	100	1.5	30.0	1.75
PCSFW189-4R5M	4.5	20	100	3.7	24.0	3.54
PCSFW189-6R8M	6.8	20	100	4.1	27.0	5.34
PCSFW189-8R2M	8.2	20	100	6.9	21.5	6.54
PCSFW189-100M	10.0	20	100	8.0	21.5	7.84
PCSFW189-150M	15.0	20	100	12.0	14.0	12.87
PCSFW189-220M	22.0	20	100	14.6	11.0	16.77

All specifications subject to change without notice.

Dimensions in mm

Allied Part Number	A (Max)	B (Max)	C (Max)	E (± 0.5)	F (Ref)	H (Ref)	I (Ref)	J (Ref)
PCSFW189-1R9M	21.0	18.7	10.0	3.0	3.5	6.0	6.0	7.3
PCSFW189-4R5M	21.0	18.7	9.8	4.0	5.0	6.0	6.0	7.3
PCSFW189-6R8M	18.5	18.7	9.3	3.2	3.5	6.0	6.0	7.3
PCSFW189-8R2M	18.5	18.7	9.3	3.2	3.5	6.0	6.0	7.3
PCSFW189-100M	18.8	18.7	9.3	3.2	3.5	6.0	6.0	7.3
PCSFW189-150M	18.8	18.7	9.3	3.2	3.5	6.0	6.0	7.3
PCSFW189-220M	19.3	18.7	9.3	3.2	3.5	6.0	6.0	7.3

All specifications subject to change without notice.

Features

- Magnetically shielded construction
- High saturation current up to 30A
- Expanding operating temp range
- Low DCR resistance
- Suitable for pick and place

Electrical

Inductance Range: 1.9μH to 22μH
Additional values available

Tolerance: 20% over entire range,
Available in tighter tolerances

Test Frequency: 100KHz, 0.1v

Operating Temp: -40°C ~ +125°C

Storage Temp: -40°C ~ +125°C

Part temperature should not exceed 125°C including temperature rise.

Resistance to Soldering Heat

Pre-Heat 150°C, 1 minute.

Solder Composition: Sn/Ag3.0/Cu0.5

Solder Temp: 260°C ± 5°C

Immersion Time: 10 sec. ± 1 sec.

Test Equipment

(L): HP 4284A LCR meter or equivalent

(DCR): Chenwa 502, Ohm meter

(Isat): HP4284A with HP42841A
Current source

Physical

Packaging: 200 pieces per reel.

Marking: EIA Inductance Code