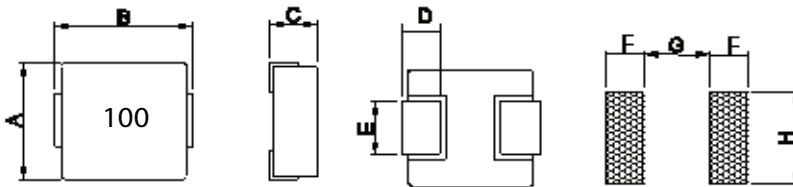


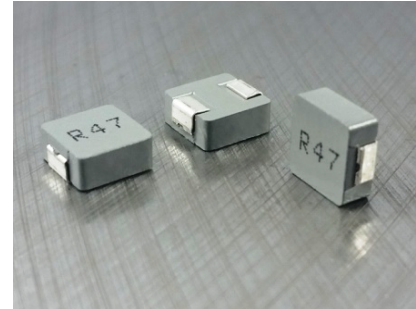


# SMD Shielded Flat Wire Power Choke PCSFW630B

## Dimensions: (mm)



A	B	C	D	E	F	G	H
6.8 Max	7.6 Max	3.0 Max	1.6±0.5	2.9±0.5	2.5	3.7	3.5



## Features

- Magnetically Shielded Construction
- Ultra High Saturation Current up to 60A
- Low DC Resistance
- Expanded operating temp range
- Suitable for pick and place

## Electrical

**Inductance Range:** 0.10µH to 10µH

**Tolerance:** 20% over entire range

**Test Frequency:** 100KHz, 0.25V

**Operating Temp:** -55°C ~ +125°C

**Storage Temp:** -55°C ~ +125°C

**I<sub>rms</sub>:** Current at which The Temperature would Rise by Approximately 40°C

**I<sub>sat</sub>:** Current at which The Inductance will Drop by Approximately 25%

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:** 1500pcs per 13 inch reel

**Marking:** EIA Inductance Code

Allied Part Number	Inductance (µH)	Tolerance (±%)	Test Frequency (KHz, 0.25V)	DCR (mΩ) Max	I <sub>sat</sub> (A) Typ	I <sub>rms</sub> (A) Typ
PCSF630B-R10M	0.10	20	100	1.7	60.0	32.5
PCSF630B-R22M	0.22	20	100	2.8	40.0	23.0
PCSF630B-R33M	0.33	20	100	3.9	30.0	20.0
PCSF630B-R47M	0.47	20	100	4.2	26.0	17.5
PCSF630B-R56M	0.56	20	100	4.5	24.5	16.5
PCSF630B-R68M	0.68	20	100	5.5	25.0	15.5
PCSF630B-R82M	0.82	20	100	8.0	24.0	13.0
PCSF630B-1R0M	1.0	20	100	10.0	22.0	11.0
PCSF630B-1R5M	1.5	20	100	15.0	18.0	9.0
PCSF630B-2R2M	2.2	20	100	20.0	14.0	8.0
PCSF630B-3R3M	3.3	20	100	30.0	13.5	6.0
PCSF630B-4R7M	4.7	20	100	40.0	10.0	5.5
PCSF630B-6R8M	6.8	20	100	60.0	8.0	4.5
PCSF630B-8R2M	8.2	20	100	68.0	7.5	4.0
PCSF630B-100M	10	20	100	105.0	7.0	3.0

All specifications subject to change without notice.