

CTSFW1050CF Series

From .18μH to 18μH



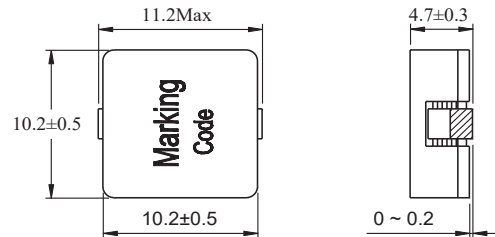
SPECIFICATIONS

*Isat: Value of inductance decrease within 30%
 **Irms: A rise in temperature of core surface is within 50°C

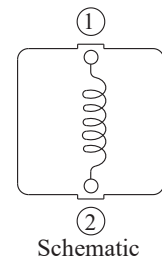
Part Number	Inductance ±20% (μH)	DCR Nom.(Max.) (mΩ)	Isat(A) Drop ≤30%	Irms(A) Rise ≤50°C
CTSFW1050CF-R18M	0.18	0.45(0.55)	80.0	32.0
CTSFW1050CF-R39M	0.39	0.67(0.77)	55.0	24.0
CTSFW1050CF-R82M	0.82	1.26(1.50)	36.0	23.0
CTSFW1050CF-1R2M	1.20	2.05(2.35)	32.0	19.0
CTSFW1050CF-1R8M	1.80	2.98(3.45)	27.0	17.0
CTSFW1050CF-2R5M	2.50	4.06(4.70)	23.0	15.0
CTSFW1050CF-3R3M	3.30	5.37(6.50)	19.0	13.0
CTSFW1050CF-4R2M	4.20	7.11(8.50)	17.0	11.0
CTSFW1050CF-5R6M	5.60	8.62(9.90)	14.0	10.3
CTSFW1050CF-6R8M	6.80	10.5(12.1)	12.5	9.00
CTSFW1050CF-8R2M	8.20	13.1(15.1)	11.5	8.10
CTSFW1050CF-100M	10.0	16.4(18.9)	10.2	7.10
CTSFW1050CF-150M	15.0	25.9(29.8)	8.75	5.50
CTSFW1050CF-180M	18.0	34.7(39.9)	8.30	5.00

PHYSICAL DIMENSIONS

Unit: mm



Part No	R18-1R2	1R8-180
Dimension A	2.5	2.0



CHARACTERISTICS

Description: SMD flat wire high current power inductors

Features:

- Magnetic shielded structure, excellent resistance to electromagnetic interference
- Flat wire winding, achieve a low DC resistance
- Lightweight design, save space, suitable for high density SMT

Applications: Graphic cards, Industrial computers, DC/DC converters, Motherboards, Filters, High current switching regulators, Polyphase-switching regulators

Operating Temperature: -55°C to +150°C (including coils self temperature rise)

Storage Temperature: -40°C to +125°C

Inductance Tolerance: ±20%

Testing: Inductance at 100kHz, 0.5V

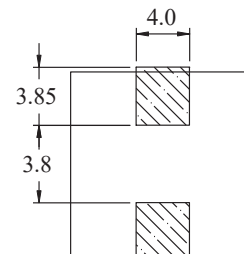
Packaging: Tape & Reel.

Miscellaneous: **RoHS Compliant.**

Samples available. See website for ordering information.

PAD LAYOUT

Unit: mm



CTSFW1050CF Series

Saturation Current vs Temperature Rise Current Curve

