

CTSFW7050F Series

From .24 μ H to 10 μ H



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: Low loss, high efficiency, wide application frequency, and application scope

Operating Temperature: -55°C to +150°C

Inductance Tolerance: $\pm 20\%$

Testing: Inductance at 100kHz, 0.1V

Packaging: Tape & Reel.

Miscellaneous: **RoHS Compliant.**

Additional Information: Additional electrical & physical information available upon request.

Samples available. See website for ordering information.

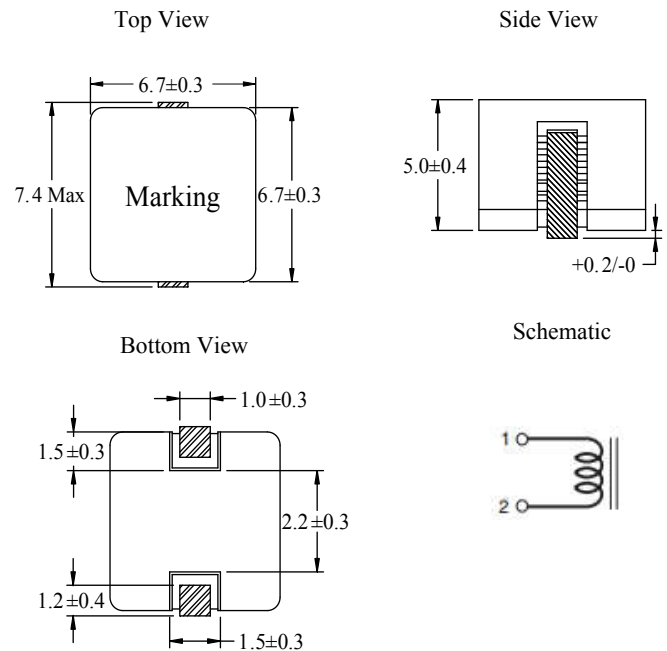
SPECIFICATIONS

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

Part Number	Inductance $\pm 20\%$ (μ H)	DCR Nom.(Max.) (m Ω)	Isat(A) Drop $\leq 30\%$	Irms(A) Rise $\leq 50^\circ$ C
CTSFW7050F-R24M	0.24	1.00(1.10)	28.00	20.00
CTSFW7050F-R47M	0.47	1.35(1.49)	20.00	18.00
CTSFW7050F-R76M	0.76	2.25(2.48)	15.00	15.50
CTSFW7050F-1R1M	1.10	3.15(3.47)	13.00	15.00
CTSFW7050F-1R5M	1.50	4.30(4.73)	11.00	13.00
CTSFW7050F-2R2M	2.20	5.85(6.44)	9.00	11.50
CTSFW7050F-3R3M	3.30	9.00(9.90)	8.00	9.00
CTSFW7050F-4R9M	4.90	14.50(15.95)	6.50	6.50
CTSFW7050F-6R5M	6.50	21.50(23.65)	6.00	6.00
CTSFW7050F-7R6M	7.60	28.20(31.02)	4.80	4.20
CTSFW7050F-8R5M	8.50	30.50(33.55)	4.50	4.00
CTSFW7050F-100M	10.00	33.00(36.30)	4.00	3.50

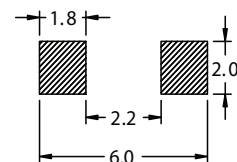
PHYSICAL DIMENSIONS

Unit: mm



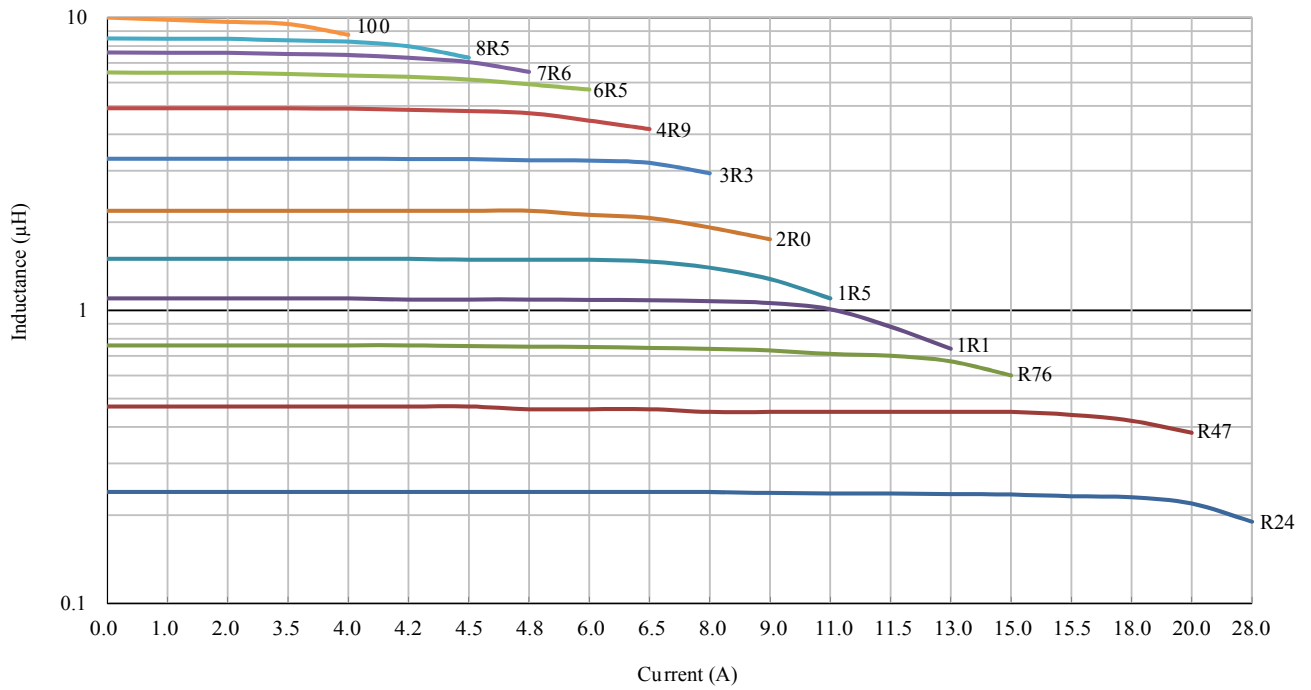
PAD LAYOUT

Unit: mm



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Typical Inductance vs Current Characteristics



Typical Temperature Rise vs Current Characteristics

