CTSFW1040F Series

From .15µH to 5.6µH

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
CTSFW1040F-R15M	0.15	0.58(0.60)	60.00	25.00
CTSFW1040F-R30M	0.30	1.10(1.20)	35.00	22.00
CTSFW1040F-R56M	0.56	1.60(1.80)	30.00	20.00
CTSFW1040F-1R0M	1.00	3.30(3.60)	20.00	16.00
CTSFW1040F-1R5M	1.50	5.30(5.80)	17.00	14.00
CTSFW1040F-2R0M	2.00	7.30(8.00)	13.00	11.00
CTSFW1040F-2R8M	2.80	10.60(11.70)	11.00	9.50
CTSFW1040F-4R3M	4.30	14.10(15.50)	8.00	8.00
CTSFW1040F-5R6M	5.60	20.60(22.70)	7.50	6.70

CHARACTERISTICS

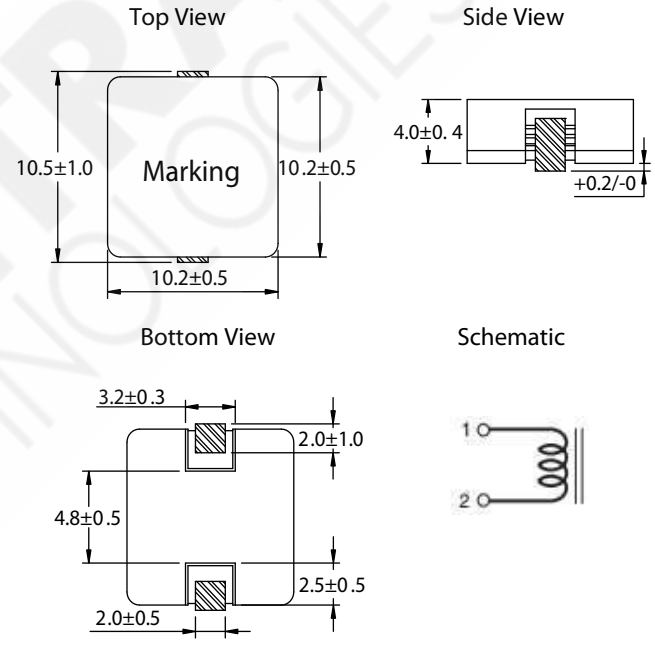
Description: SMD flat wire high current power inductors
Features:

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

Applications: Low loss, high efficiency, wide application frequency, and application scope
Operating Temperature: -55°C to +150°C
Inductance Tolerance: ±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.

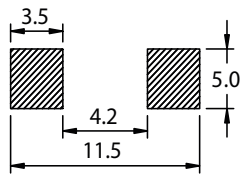
PHYSICAL DIMENSIONS

Unit: mm



PAD LAYOUT

Unit: mm



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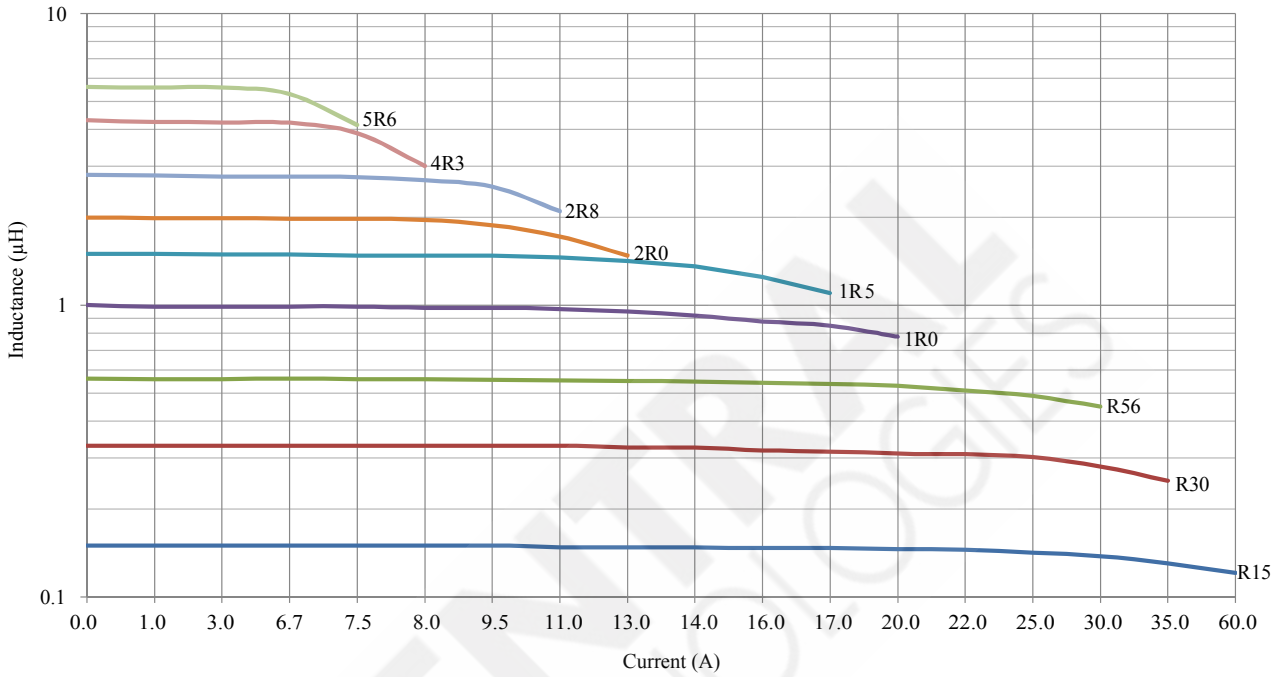
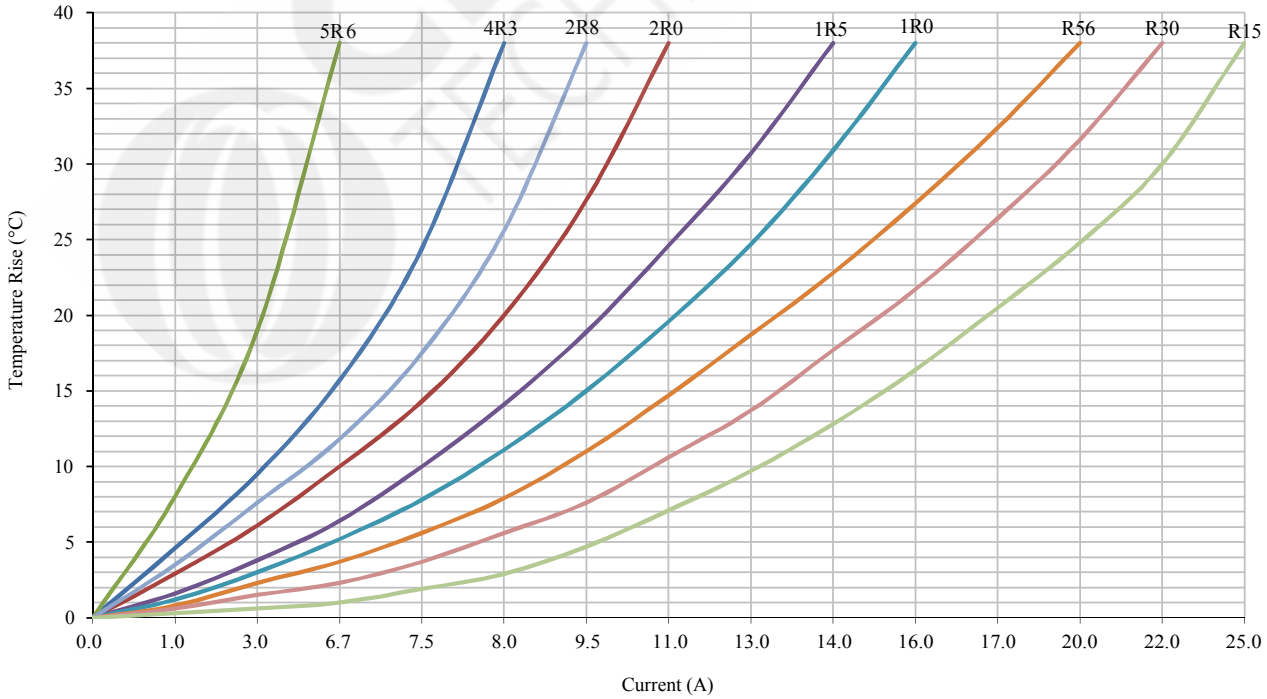
Typical Inductance vs Current Characteristics



Typical Temperature Rise vs Current Characteristics



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