CTSFW7040F Series

From .22µH to 4.7µH

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.

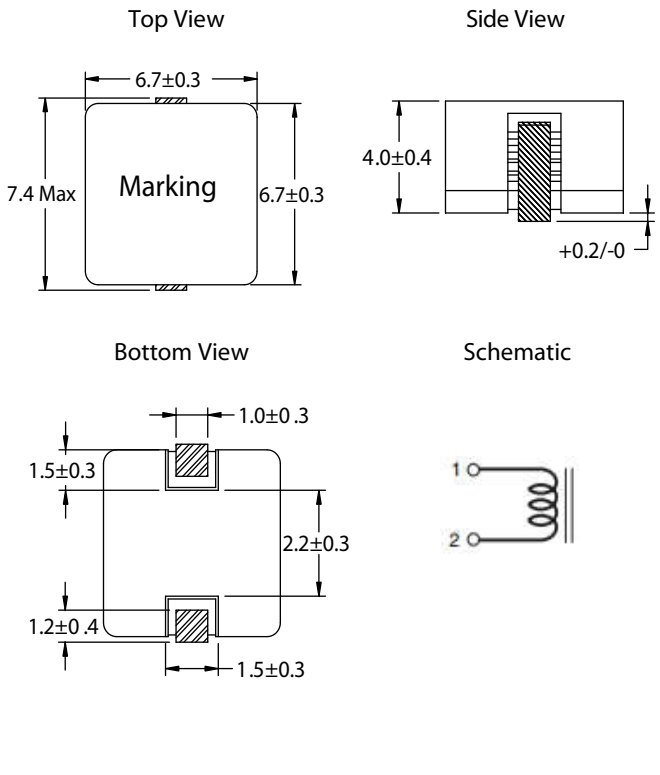
SPECIFICATIONS

*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
CTSFW7040F-R22M	0.22	1.10(1.20)	32.00	21.00
CTSFW7040F-R40M	0.40	1.85(2.04)	25.00	19.00
CTSFW7040F-R68M	0.68	3.10(3.40)	20.00	17.00
CTSFW7040F-1R0M	1.00	4.60(5.10)	19.00	15.00
CTSFW7040F-1R5M	1.50	6.60(7.30)	14.00	11.00
CTSFW7040F-2R2M	2.20	11.40(12.50)	13.00	9.00
CTSFW7040F-3R3M	3.30	17.20(18.50)	11.00	6.50
CTSFW7040F-4R7M	4.70	19.50(21.50)	7.00	6.00

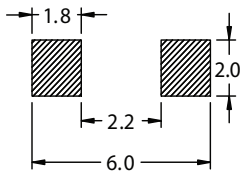
PHYSICAL DIMENSIONS

Unit: mm



PAD LAYOUT

Unit: mm



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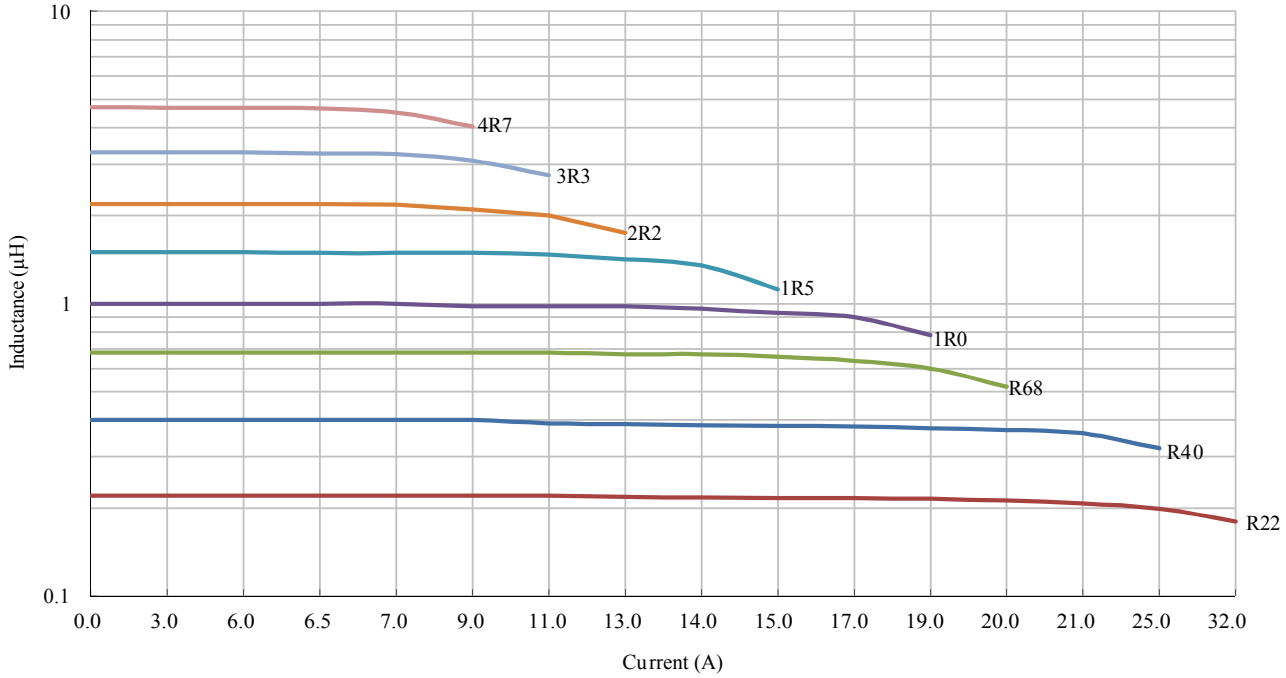
Typical Inductance vs Current Characteristics



Typical Temperature Rise vs Current Characteristics