

CTSFW1890F Series

From .82μH to 10μH



SPECIFICATIONS

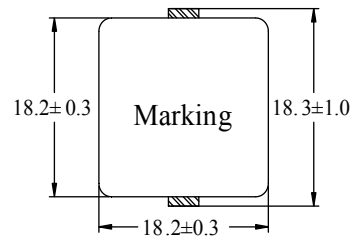
*Isat: Value of inductance decrease within 30%
 **Irms: A rise in temperature of core surface is within 50°C

Part Number	Inductance ±20% (μH)	DCR Nom.(Max.) (mΩ)	Isat(A) Drop ≤30%	Irms(A) Rise ≤50°C
CTSFW1890F-R82M	0.82	0.54(0.59)	65.0	41.5
CTSFW1890F-1R3M	1.30	0.94(1.03)	62.0	34.5
CTSFW1890F-1R9M	1.90	1.20(1.30)	52.0	32.5
CTSFW1890F-2R6M	2.60	1.58(1.74)	50.0	31.5
CTSFW1890F-3R5M	3.50	3.10(3.40)	37.0	22.5
CTSFW1890F-4R5M	4.50	3.40(3.70)	37.0	20.5
CTSFW1890F-5R6M	5.60	3.70(4.10)	33.0	19.0
CTSFW1890F-6R8M	6.80	4.10(4.50)	28.0	18.5
CTSFW1890F-100M	10.00	6.90(7.60)	21.5	15.0

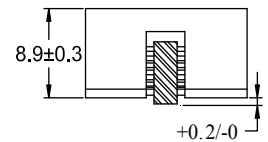
PHYSICAL DIMENSIONS

Unit: mm

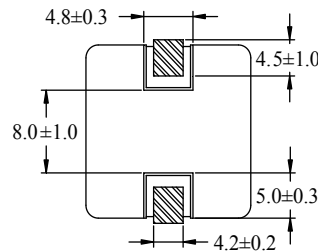
Top View



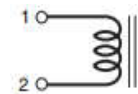
Side View



Bottom View



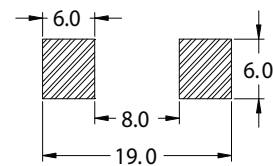
Schematic



- ### 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:** ±20%
- Testing:** Inductance at 100kHz, 0.1V
- Packaging:** Tape & Reel
- Miscellaneous:** RoHS Compliant
- Additional Information:** Additional electrical and physical information available upon request
- Samples available. See website for ordering information.**

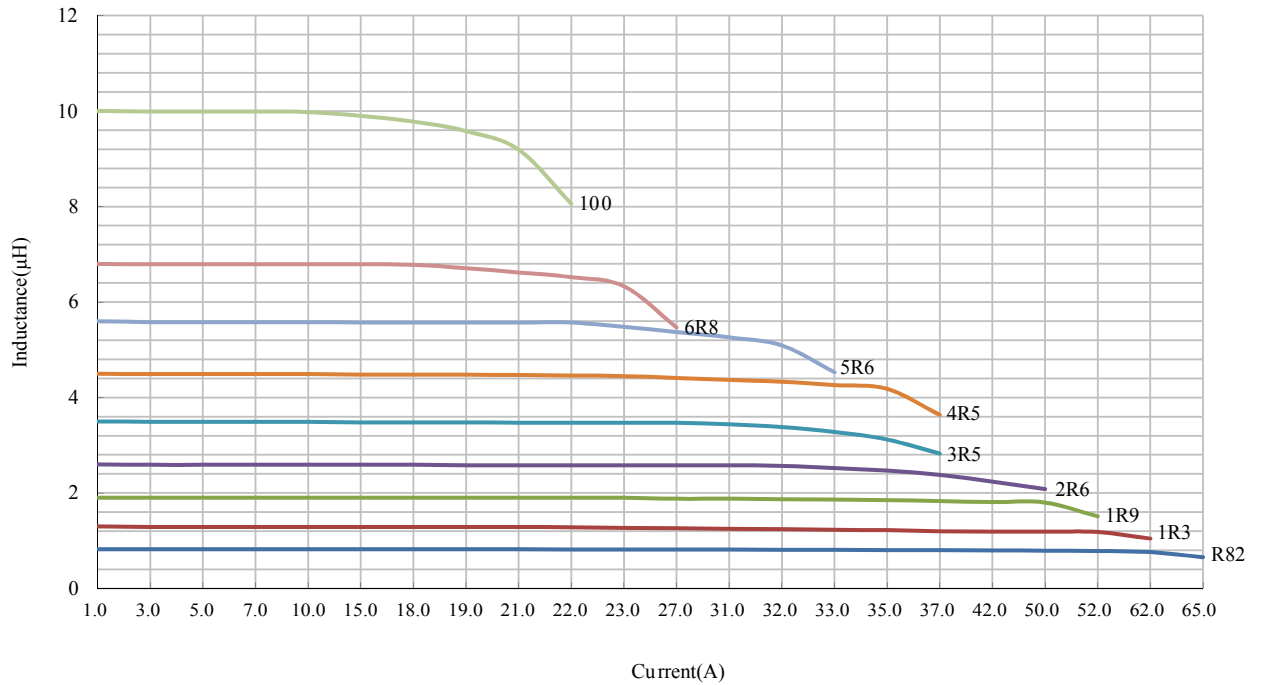
PAD LAYOUT

Unit: mm



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Typical Temperature Rise vs Current Characteristics



Typical Temperature Rise vs Current Characteristics

