

CTDAS1013F Series

From 6.8μH to 22μH



CHARACTERISTICS

Description: SMD Inductors for Class D

Features:

- Magnetic shielded structure, excellent resistance to electro-magnetic interference.
- Sturdy construction.
- Low magnetic loss, low ESR, small parasitic capacitance.
- Closed magnetic circuit, super low buzzing, high density mount.
- The temperature rise of current and rated current less influenced by the environment.

Applications: TV and monitor, AV amplifier, video game console, power supply, navigation equipment, audio applications, etc.

Operating Temperature: -55°C to +125°C

Inductance Tolerance: ±20%

Testing: Inductance at 1.0kHz, 1.0V

Packaging: Tape & Reel.

Marking: Parts are marked with inductance code.

Miscellaneous: **RoHS Compliant.**

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

Samples available. See website for ordering information.

SPECIFICATIONS

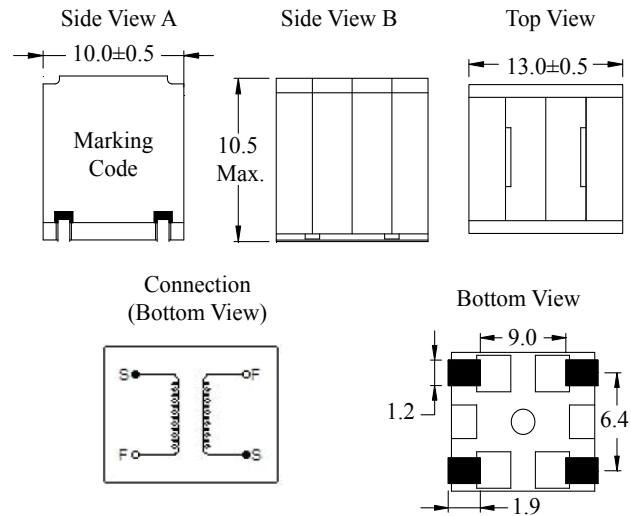
*Isat: Value of inductance decrease within 20%

**Irms: A rise in temperature of core surface is within 40°C

Part Number	Inductance ±20% (μH)	Test Freq. (kHz)	DCR Nom.(Max.) (mΩ)	*Isat(A) Drop ≤20%	**Irms(A) Rise ≤40°C
CTDAS1013F-6R8M	6.80	1.0	12.70(15.20)	11.00	6.50
CTDAS1013F-8R2M	8.20	1.0	13.80(16.50)	10.00	5.80
CTDAS1013F-100M	10.00	1.0	19.50(23.40)	8.60	5.00
CTDAS1013F-120M	12.00	1.0	20.80(25.00)	7.30	5.00
CTDAS1013F-150M	15.00	1.0	20.80(25.00)	5.70	5.00
CTDAS1013F-180M	18.00	1.0	20.80(25.00)	4.60	5.00
CTDAS1013F-220M	22.00	1.0	20.80(25.00)	3.50	5.00

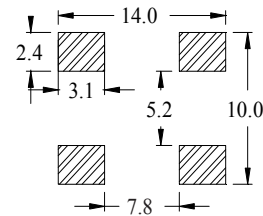
PHYSICAL DIMENSIONS

Unit: mm



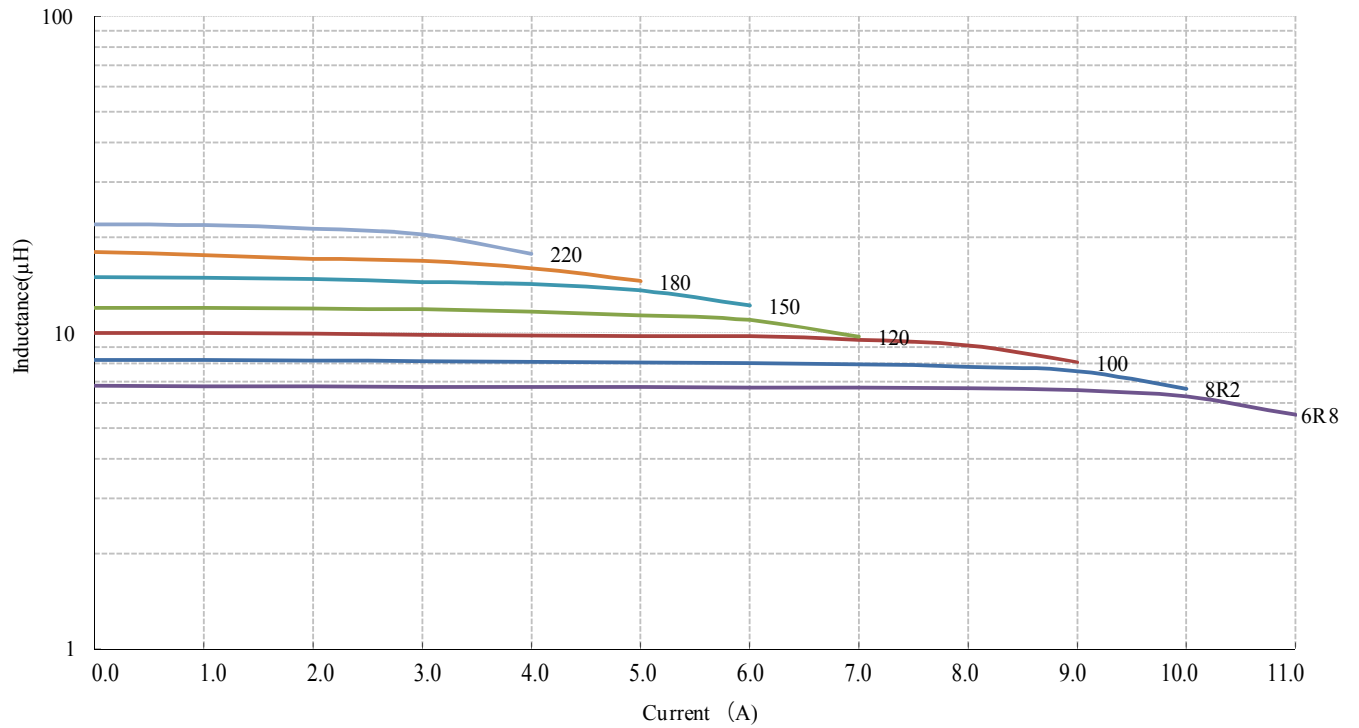
PAD LAYOUT

Unit: mm



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Typical Inductance vs Current Characteristics



Typical Temperature Rise vs Current Characteristics

