

CTDAS1013F Series

From 3.3μH 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.
- Realized low distortion and high sound quality by using low loss material and Oxygen Free Copper (OFC) wire.

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

Operating Temperature: -40°C to +125°C

Inductance Tolerance: ±20%

Testing: Inductance at 100kHz, 1V (3R3-8R2), 1kHz, 1V (100-220)

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.

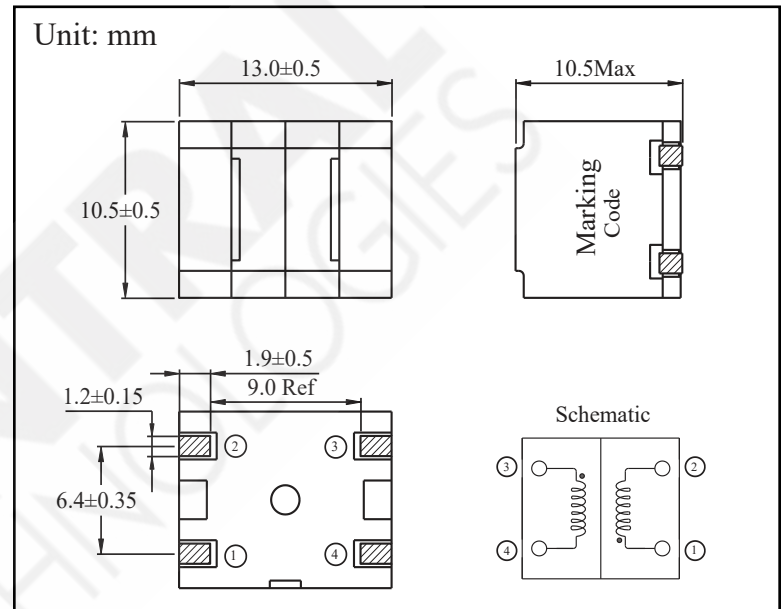
SPECIFICATIONS

*Isat: Value of inductance decrease within 25%

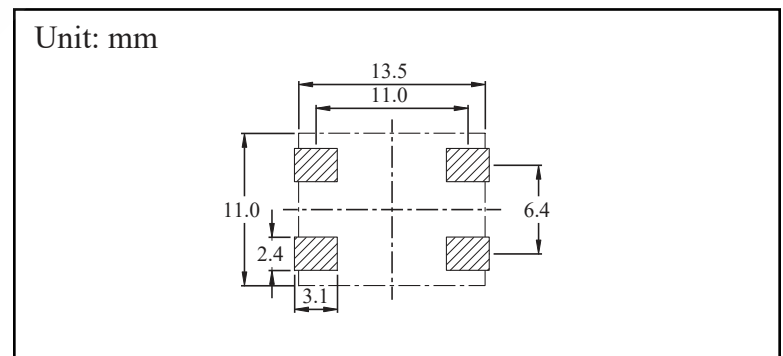
**Irms: A rise in temperature of core surface is within 40°C

Part Number	Inductance ±20% (μH)	Test Freq. (kHz)	DCR Nom.(Max.) (mΩ)	*Isat Typ. (A)	**Irms Typ. (A)
CTDAS1013F-3R3M	3.30	100	9.00(11.00)	12.00	5.10
CTDAS1013F-4R7M	4.70	100	13.40(16.00)	16.00	4.40
CTDAS1013F-6R8M	6.80	100	13.40(16.00)	11.00	4.40
CTDAS1013F-8R2M	8.20	100	13.40(16.00)	7.20	4.40
CTDAS1013F-100M	10.00	1.0	15.00(18.00)	7.10	4.20
CTDAS1013F-120M	12.00	1.0	17.00(20.00)	6.00	4.00
CTDAS1013F-150M	15.00	1.0	19.00(23.00)	5.30	3.80
CTDAS1013F-180M	18.00	1.0	19.00(23.00)	4.60	3.80
CTDAS1013F-220M	22.00	1.0	32.00(38.00)	4.30	3.00

PHYSICAL DIMENSIONS



PAD LAYOUT



Saturation Current vs Temperature Rise Current Curve

