

# CTDAS1065F Series

From 6.8 $\mu$ H to 22 $\mu$ H



## 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:** -40°C to +125°C

**Inductance Tolerance:**  $\pm 20\%$

**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.**

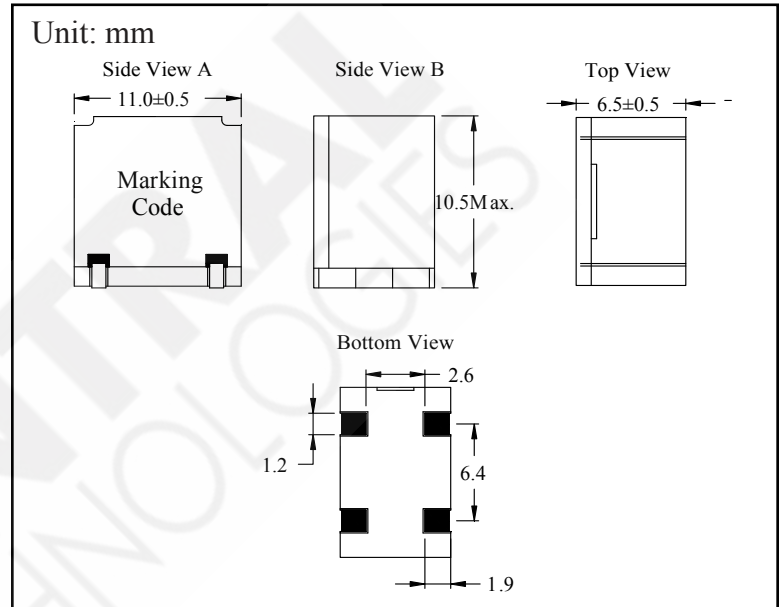
## SPECIFICATIONS

\*Isat: Value of inductance decrease within 20%

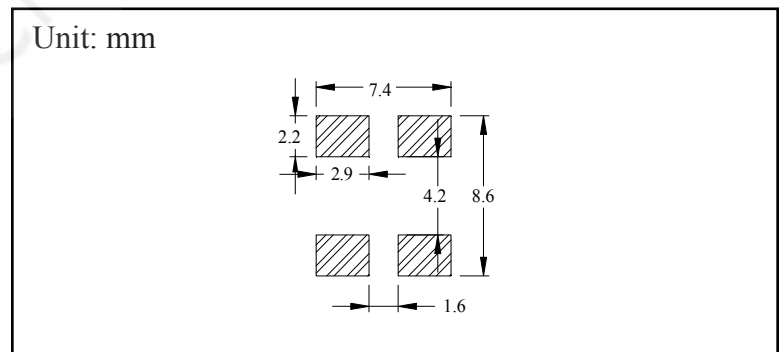
\*\*Irms: A rise in temperature of core surface is within 40°C

Part Number	Inductance $\pm 20\%$ ( $\mu$ H)	Test Freq. (kHz)	DCR Nom.(Max.) (m $\Omega$ )	*Isat(A) Drop $\leq 20\%$	**Irms(A) Rise $\leq 40^\circ$ C
CTDAS1065F-6R8M	6.80	1.0	9.80(12.00)	7.80	6.70
CTDAS1065F-8R2M	8.20	1.0	11.10(13.50)	7.00	6.50
CTDAS1065F-100M	10.00	1.0	12.50(14.50)	5.70	6.30
CTDAS1065F-120M	12.00	1.0	14.20(15.60)	5.50	6.00
CTDAS1065F-150M	15.00	1.0	22.70(25.00)	5.50	4.50
CTDAS1065F-180M	18.00	1.0	22.70(25.00)	5.00	4.50
CTDAS1065F-220M	22.00	1.0	25.50(28.00)	4.00	4.00

## PHYSICAL DIMENSIONS

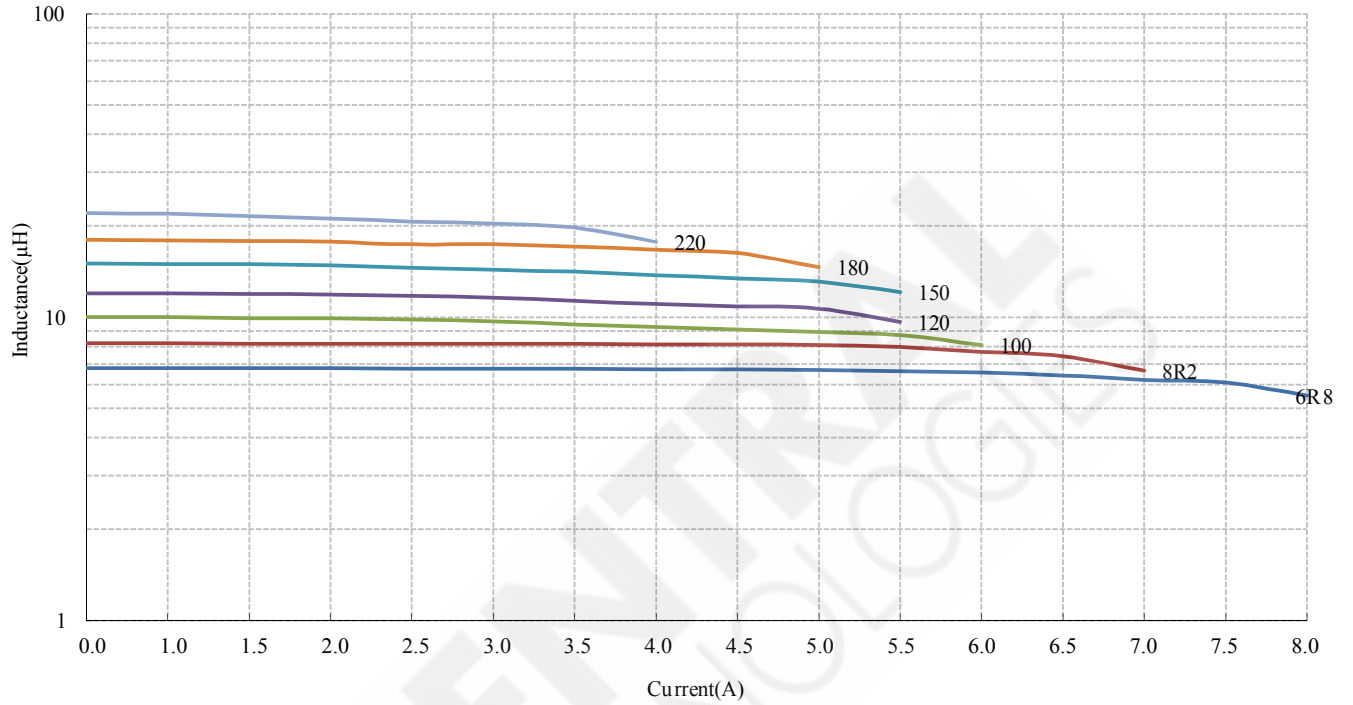


## PAD LAYOUT



## CTDAS1065F Series

Typical Inductance vs Current Characteristics



Typical Temperature Rise vs Current Characteristics

