

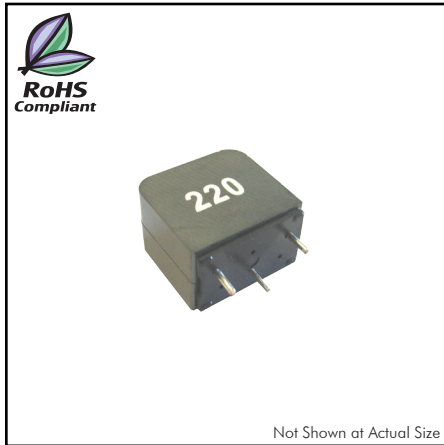
# CTDAT2315F Series

From 10 $\mu$ H to 22 $\mu$ H

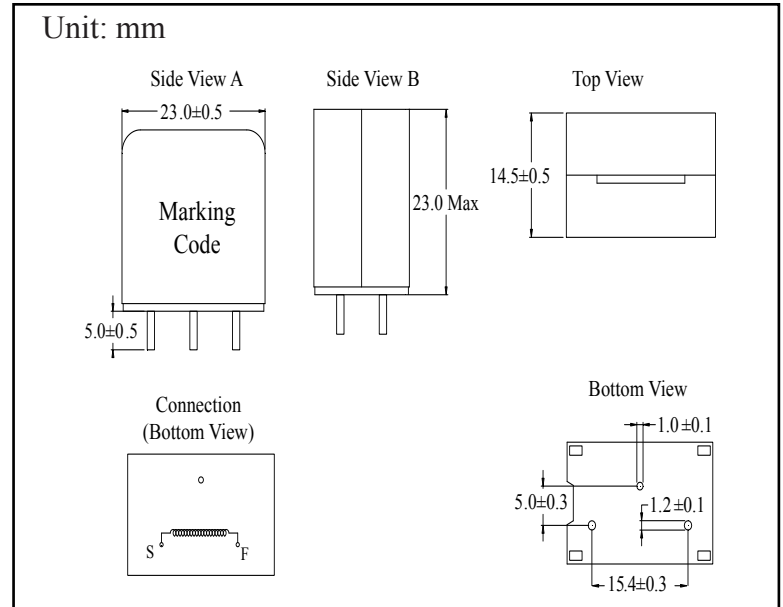
## SPECIFICATIONS

\*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
CTDAT2315F-100M	10.00	100kHz/1.0V	6.60(7.90)	38.00	14.00
CTDAT2315F-120M	12.00	100kHz/1.0V	6.60(7.90)	32.00	14.00
CTDAT2315F-150M	15.00	100kHz/1.0V	7.20(8.60)	29.00	13.00
CTDAT2315F-180M	18.00	100kHz/1.0V	6.60(7.90)	22.50	14.00
CTDAT2315F-220M	22.00	100kHz/1.0V	7.20(8.60)	20.50	13.00



## PHYSICAL DIMENSIONS



## CHARACTERISTICS

**Description:** Inductors for Class D

**Features:**

- Magnetic shielded structure, excellent resistance to electro-magnetic interference.
- Sturdy construction.
- Low magnetic loss, low ESR, small parasitic capacitance.
- Highest temp wire, closed magnetic circuit, super-low buzzing.
- Small volume, high current, 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 100kHz, 1.0V

**Packaging:** Tray Packaging.

**Marking:** Parts are marked with inductance code.

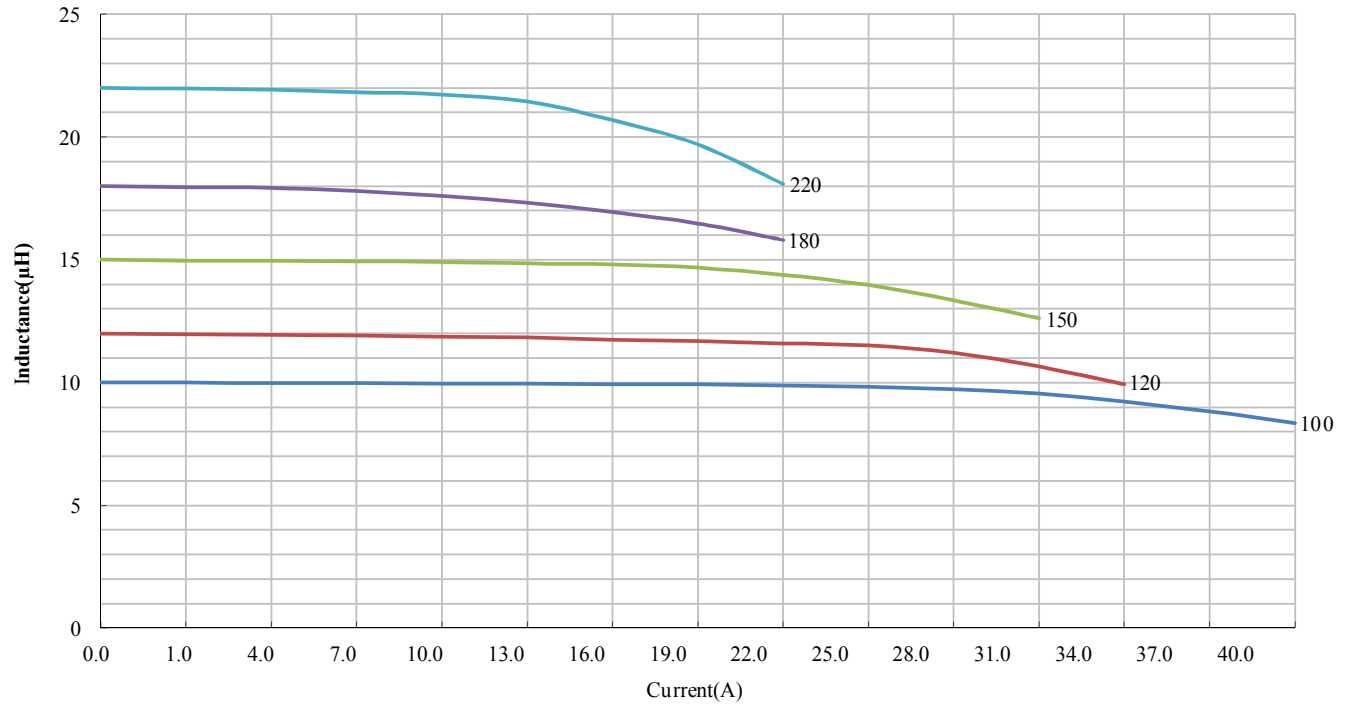
**Miscellaneous:** **RoHS Compliant.**

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

**Samples available. See website for ordering information.**

## CTDAT2315F Series

Typical Inductance vs Current Characteristics



Typical Temperature Rise vs Current Characteristics

