

# CTDAT1623F Series

## From 10 $\mu$ H to 20 $\mu$ H

### SPECIFICATIONS

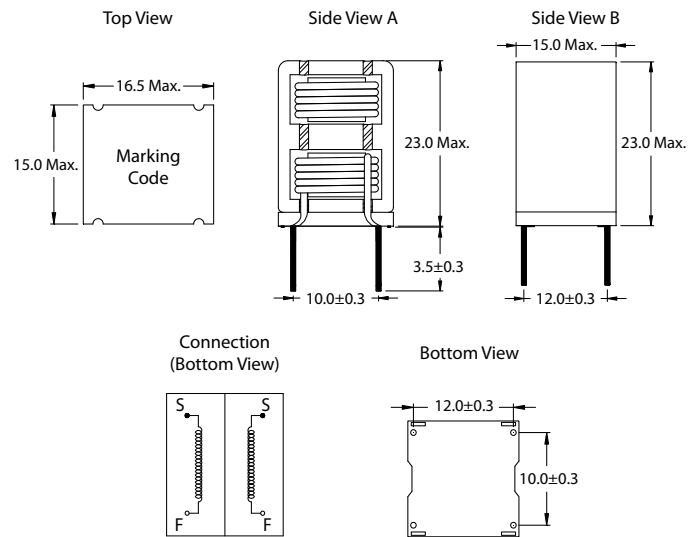
\*Isat: Value of inductance decrease within 20%  
 \*\*I<sub>rms</sub>(A): A rise in temperature of core surface is within 40°C

Part Number	Inductance $\pm 20\%$ ( $\mu$ H)	Test Freq. (kHz)	DCR Nom.(Max.) (m $\Omega$ )	*Isat(A) Drop $\leq 20\%$	**I <sub>rms</sub> (A) Rise $\leq 40^\circ\text{C}$
CTDAT1623F-100M	10.00	100.0	10.00(12.00)	15.00	6.40
CTDAT1623F-160M	16.00	100.0	14.00(22.60)	11.00	5.20
CTDAT1623F-200M	20.00	100.0	23.20(31.00)	10.00	3.80



### PHYSICAL DIMENSIONS

Unit: mm



### CHARACTERISTICS

**Description:** Inductors for Class D

**Features:**

- Magnetic shielded structure, excellent resistance to electromagnetic 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 100kHz, 1.0V

**Packaging:** Tray packaging

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

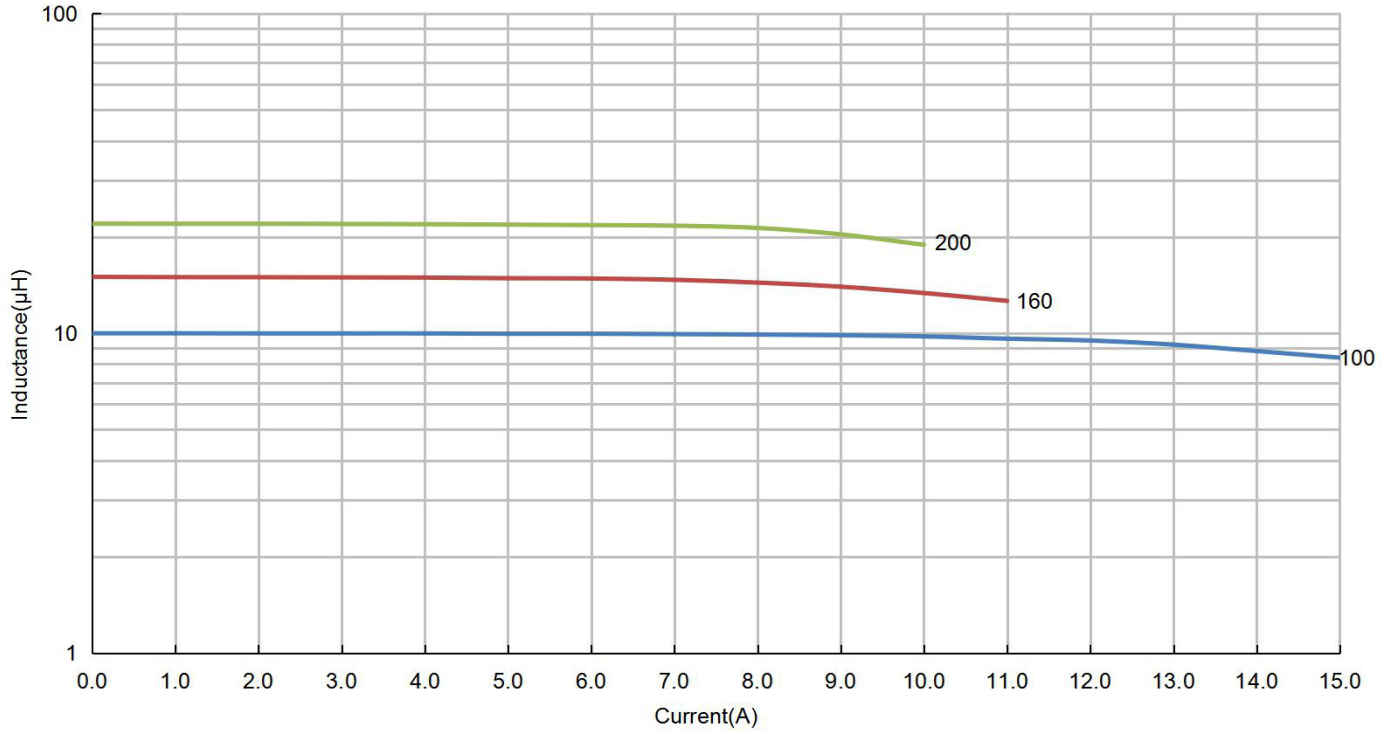
**Miscellaneous:** **RoHS Compliant.**

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

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

## CTDAT1623 Series

Typical Inductance vs Current Characteristics



Typical Temperature Rise vs Current Characteristics

