

# CTDAT1715F Series

From 10 $\mu$ H to 33 $\mu$ H

## SPECIFICATIONS

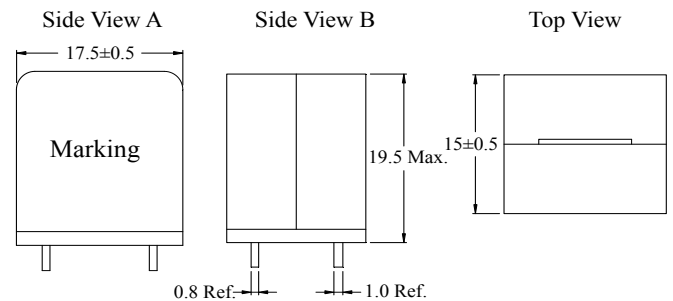
\*Isat: Value of inductance decrease within 20%  
 \*\*Irms: A rise in temperature of core surface is within 40°C

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
CTDAT1715F-100M	10.0	1.0	13.8(16.0)	30.0	8.2
CTDAT1715F-120M	12.0	1.0	13.8(16.0)	25.0	8.2
CTDAT1715F-150M	15.0	1.0	13.8(16.0)	18.0	8.2
CTDAT1715F-180M	18.0	1.0	13.8(16.0)	16.0	8.2
CTDAT1715F-220M	22.0	1.0	13.8(16.0)	11.0	8.2
CTDAT1715F-330M	33.0	1.0	13.8(16.0)	8.0	8.2

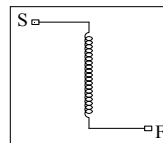


## PHYSICAL DIMENSIONS

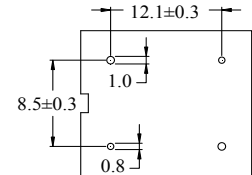
Unit: mm



Connection (Bottom View)



Bottom View



## 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:** -55°C to +125°C

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

**Testing:** Inductance at 1.0kHz, 1.0V

**Packaging:** Tray packaging

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

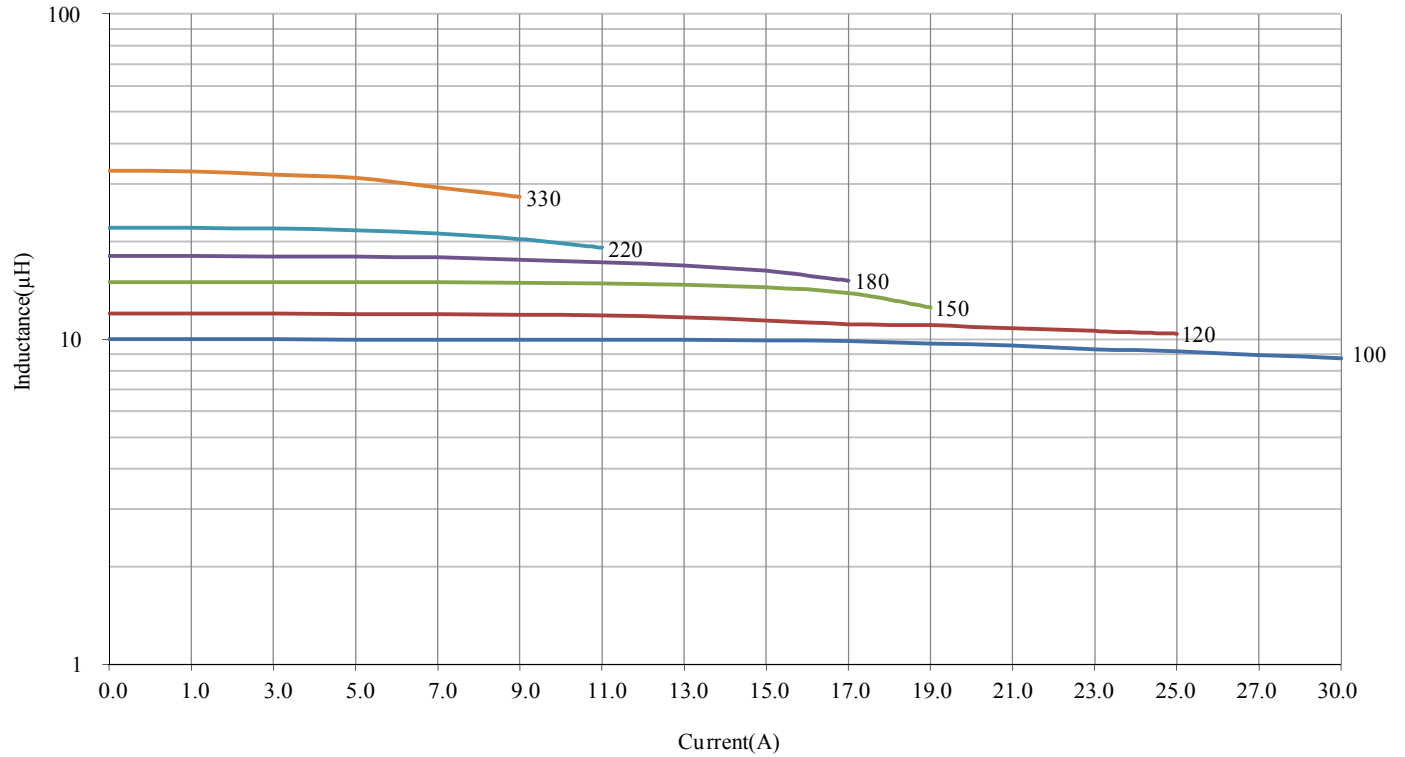
**Miscellaneous:** **RoHS Compliant.**

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

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

## CTDAT1715F Series

Typical Inductance vs Current Characteristics



Typical Temperature Rise vs Current Characteristics

