CTDAT1415F Series

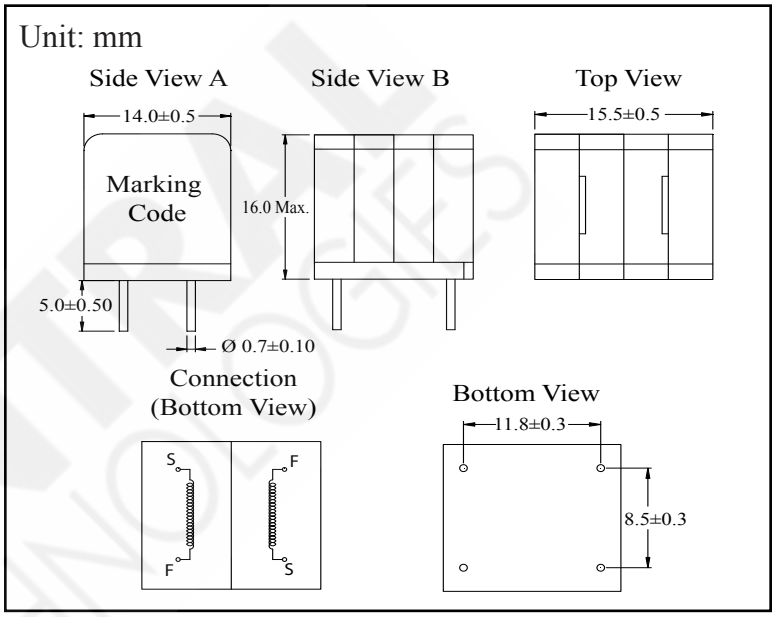
From 6µH to 22µH

SPECIFICATIONS

*Isat: Value of inductance decrease within 20%
**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(A) Drop ≤20%	**Irms(A) Rise ≤40°C
CTDAT1415F-6R0M	6.00	1.0	7.45(8.20)	17.00	11.00
CTDAT1415F-7R5M	7.50	1.0	8.45(9.30)	16.00	9.00
CTDAT1415F-100M	10.00	1.0	12.27(13.50)	13.00	8.00
CTDAT1415F-150M	15.00	1.0	15.91(17.50)	11.00	6.80
CTDAT1415F-180M	18.00	1.0	15.90(17.50)	9.70	6.80
CTDAT1415F-220M	22.00	1.0	15.90(17.50)	8.30	6.80

PHYSICAL DIMENSIONS



CHARACTERISTICS

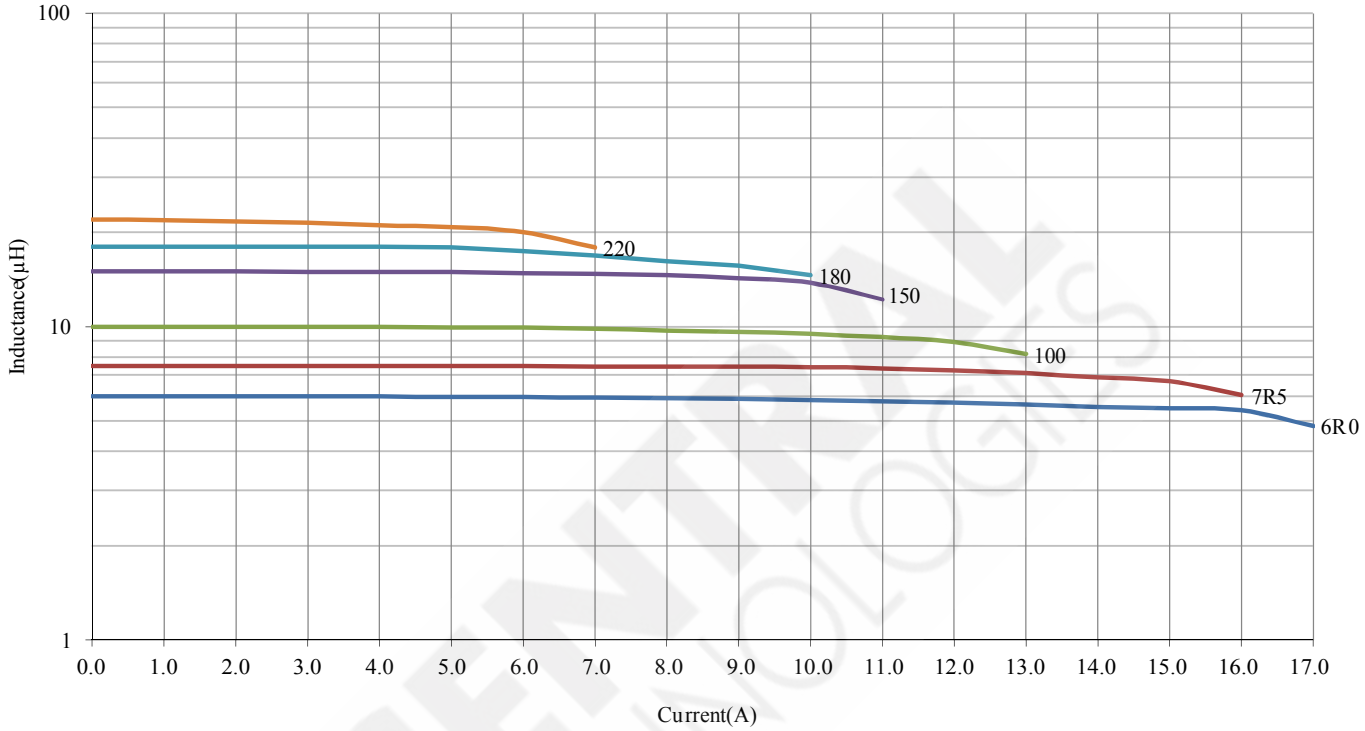
Description: Inductors for Class D
Features:

- Magnetic shielded structure, excellent resistance to electromagnetic interference.
- Sturdy contruction.
- 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: ±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.

CTDAT1415F Series

Typical Inductance vs Current Characteristics



Typical Temperature Rise vs Current Characteristics