

CTDAT1715F Series

From 10 μ H to 56 μ H



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.
- Improving sound quality by using Oxygen Free Copper (OFC) wire.

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: Tray packaging

Marking: Parts are marked with inductance code.

Miscellaneous: **RoHS Compliant.**

Samples available. See website for ordering information.

SPECIFICATIONS

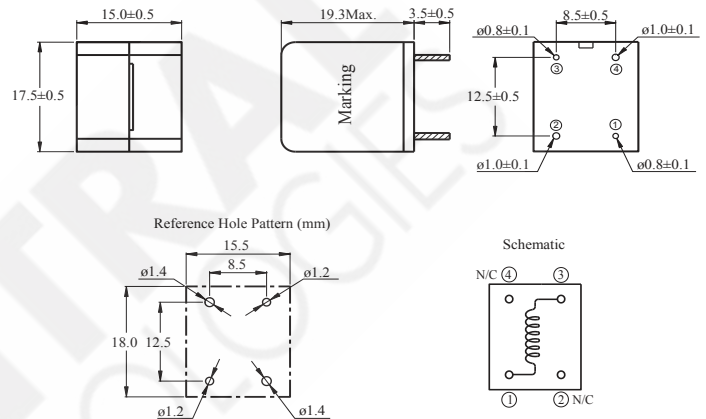
*Isat: Value of inductance decrease within 25%

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

Part Number	Inductance $\pm 20\%$ (μ H)	Test Freq. (kHz)	DCR Nom.(Max.) (m Ω)	*Isat Typ. (A)	**Irms Typ. (A)
CTDAT1715F-100M	10.0	1.0	12.0(14.0)	26.0	8.20
CTDAT1715F-120M	12.0	1.0	12.0(14.0)	25.0	8.20
CTDAT1715F-150M	15.0	1.0	12.0(14.0)	18.0	8.20
CTDAT1715F-180M	18.0	1.0	12.0(14.0)	16.0	8.20
CTDAT1715F-220M	22.0	1.0	12.0(14.0)	13.0	8.20
CTDAT1715F-330M	33.0	1.0	12.0(14.0)	8.00	8.20
CTDAT1715F-560M	56.0	1.0	12.0(14.0)	6.00	8.20

PHYSICAL DIMENSIONS

Unit: mm



Saturation Current vs Temperature Rise Current Curves

