

CTDAT3119F Series

From 5.6 μ H to 33 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.

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.

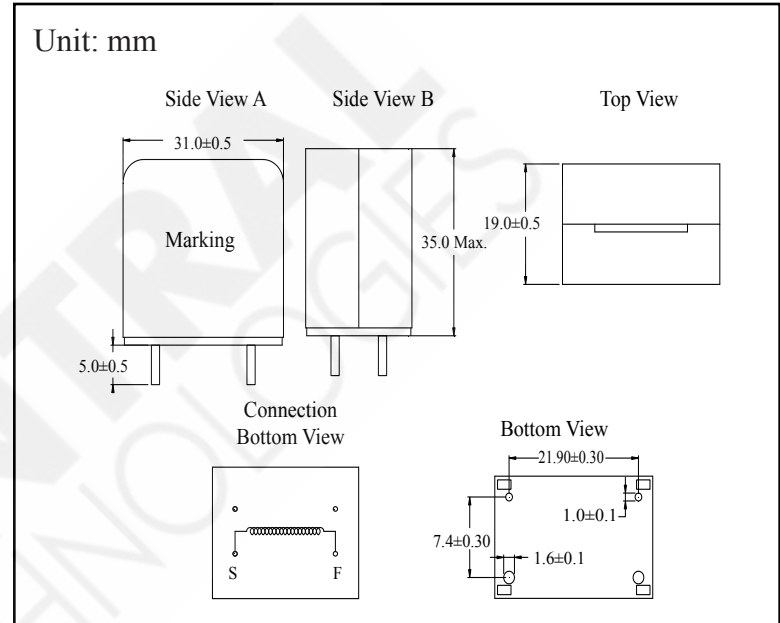
SPECIFICATIONS

*Isat: Value of inductance decrease within 20%

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

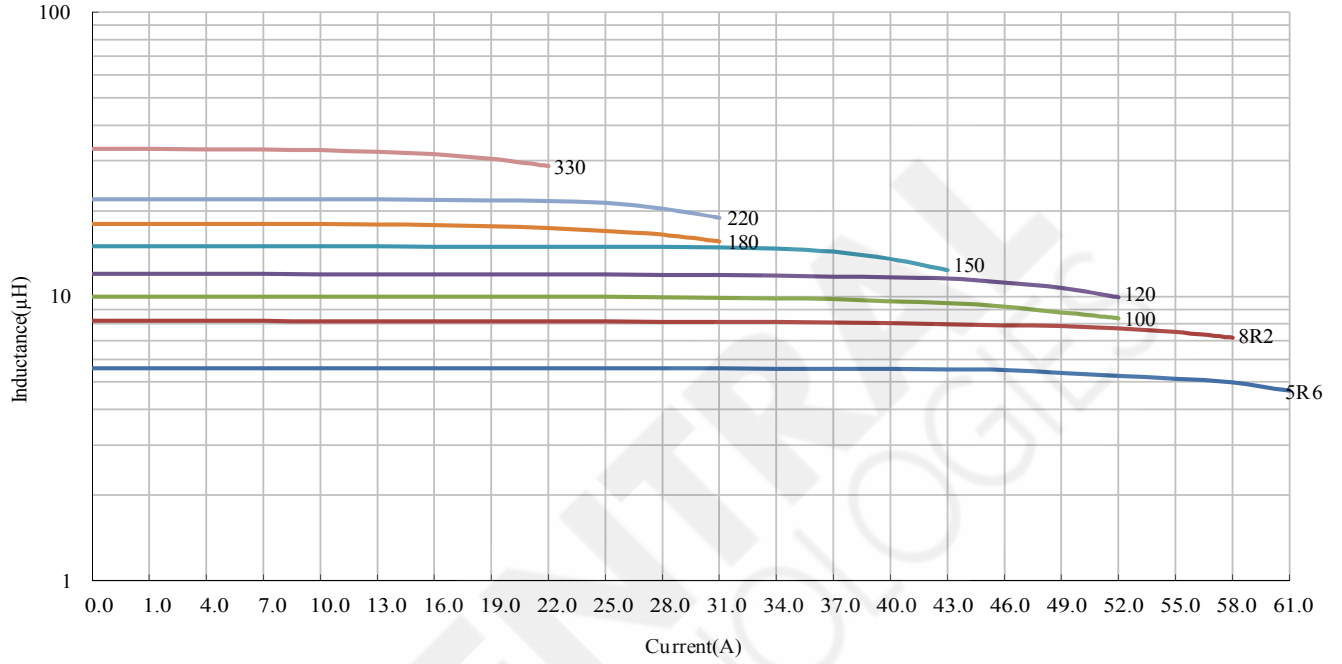
Part Number	Inductance $\pm 20\%$ (μ H)	Test Freq. (kHz)	DCR Nom.(Max.) (m Ω)	*Isat(A) Drop $\leq 20\%$	**Irms(A) Rise $\leq 40^\circ$ C
CTDAT3119F-5R6M	5.60	100	2.00(3.00)	60.00	28.00
CTDAT3119F-8R2M	8.20	100	2.50(3.50)	58.00	26.00
CTDAT3119F-100M	10.00	100	4.20(6.30)	51.00	17.00
CTDAT3119F-120M	12.00	100	4.20(6.30)	50.00	17.00
CTDAT3119F-150M	15.00	100	4.20(6.30)	41.00	17.00
CTDAT3119F-180M	18.00	100	4.60(6.90)	31.00	15.50
CTDAT3119F-220M	22.00	100	4.60(6.90)	31.00	15.50
CTDAT3119F-330M	33.00	100	4.60(6.90)	22.00	15.50

PHYSICAL DIMENSIONS



CTDAT3119 Series

Typical Inductance vs Current Characteristics



Typical Temperature Rise vs Current Characteristics

