

CTDAT3119F Series

From 5.6µH to 33µH



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: ±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

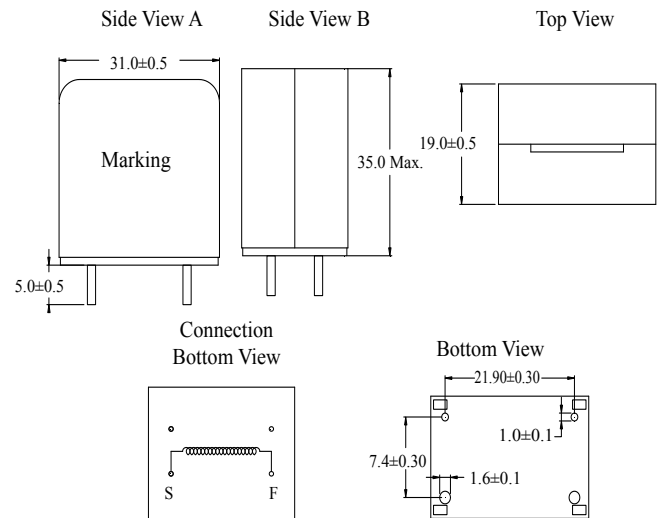
*Isat: Value of inductance decrease within 20%

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

Part Number	Inductance ±20% (µH)	Test Freq. (kHz)	DCR Nom.(Max.) (mΩ)	*Isat(A) Drop ≤20%	**Irms(A) Rise ≤40°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

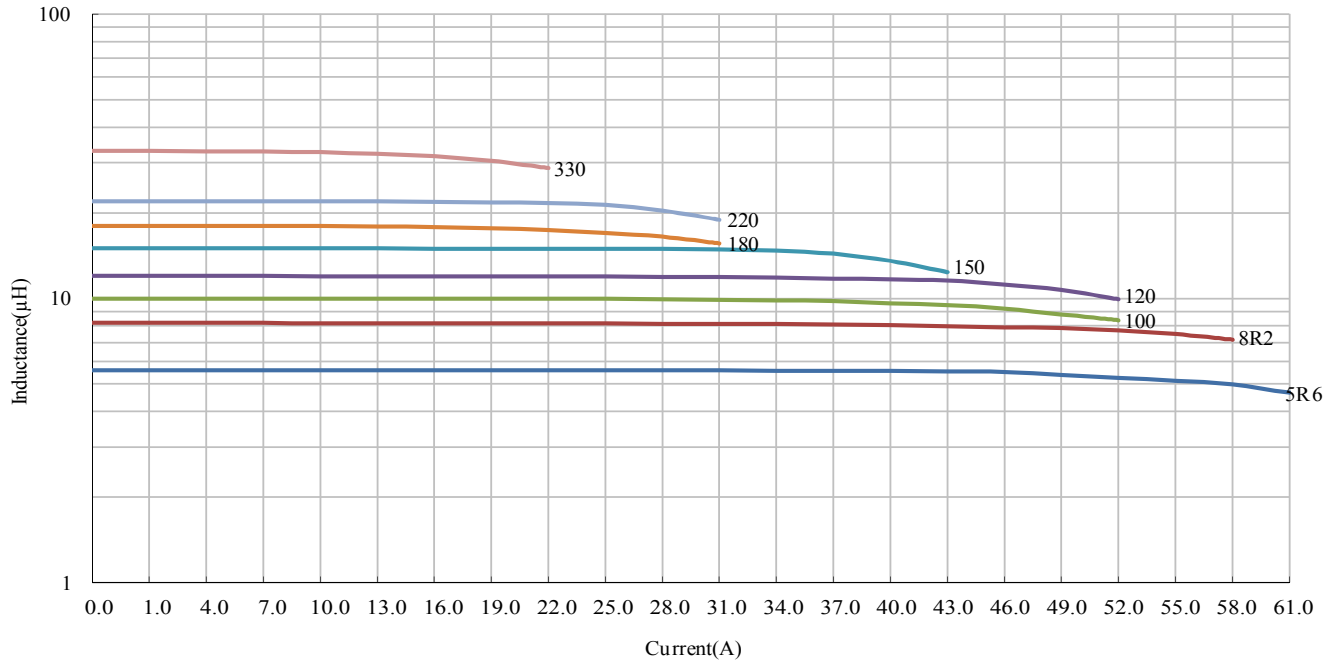
PHYSICAL DIMENSIONS

Unit: mm



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Typical Inductance vs Current Characteristics



Typical Temperature Rise vs Current Characteristics

