

CTHCPI3231F Series 68μH to 100μH

SPECIFICATIONS

*Inductance measure condition @ 100kHz, 0.1V

**Isat: Value of inductance decrease within 30%

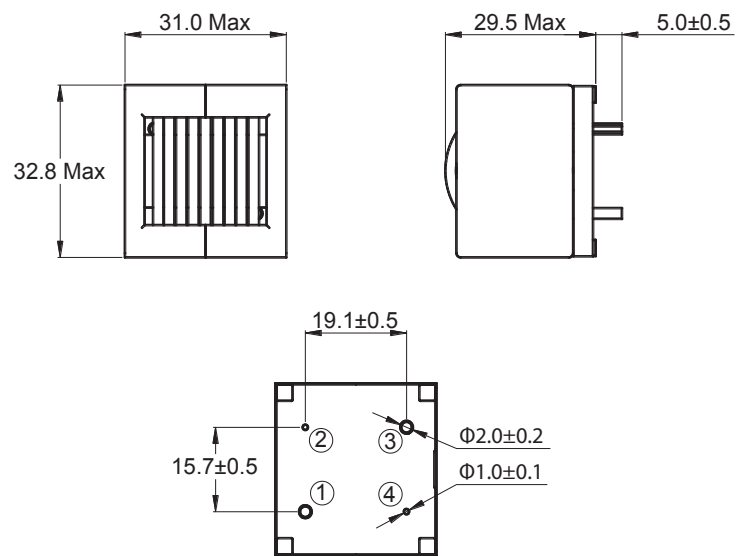
***Temp. Rise Current: Value of DC current when the temperature rise is ΔT50°C(Ta=25°C)

Part Number	*Inductance ±20% (μH)	DCR Typ. (Max.) (mΩ)	**Isat Typ. (A)	***Temperature Rise Current Typ. (A)
CTHCPI3231F-680M	68.0	7.70(9.20)	27.0	28.0
CTHCPI3231F-820M	82.0	8.50(10.2)	25.0	26.0
CTHCPI3231F-101M	100.0	9.02(11.0)	23.0	25.0



PHYSICAL DIMENSIONS

Unit: mm



CHARACTERISTICS

Description: High current power inductors

Features:

- High inductance, high current
- Low magnetic loss, low ESR, small parasitic capacitance
- Temperature rise current and saturation current is less influenced by environment
- Semi-shielded design

Applications: Medical equipment, industrial control, new energy, etc.

Operating Temperature: -55°C to +150°C (including coil's temperature rise)

Storage Temperature: -40°C to +125°C

Inductance tolerance: ±20%

Marking: Parts marked with inductance code

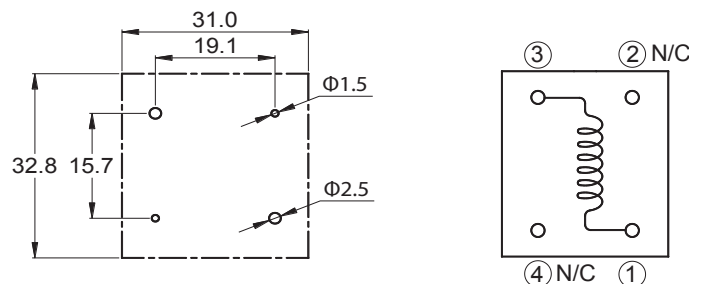
Packaging: Tray packaging

Miscellaneous: RoHS Compliant

Samples Available: See website for ordering information

RECOMMENDED PC BOARD LAYOUT & SCHEMATIC

Unit: mm



SATURATION CURRENT VS. TEMPERATURE RISE CURRENT CURVE

