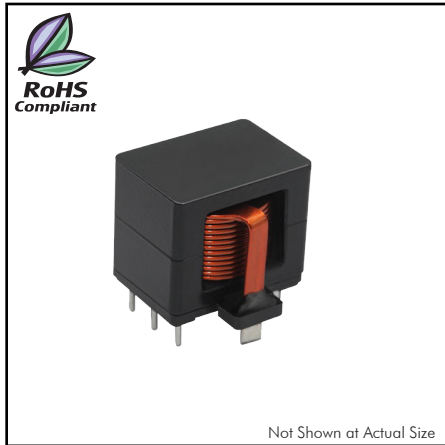


CTCHCFW2630F

Series

From 13 μ H to 33 μ H



CHARACTERISTICS

Description: High current power inductors

Features:

- Sturdy structure
- High inductance, high current, low magnetic loss, low ESR, small parasitic capacitance
- Flat wire winding, achieve a low D.C. Resistance
- Temperature rise current and saturation current is less influenced by environment
- Semi-shielded design

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

Operating Temperature: -40°C to +125°C (including coil's temperature rise)

Inductance tolerance: $\pm 20\%$

Marking: Parts marked with inductance code

Packaging: Tray packaging

Miscellaneous: **RoHS Compliant**

Samples Available: See website for ordering information

SPECIFICATIONS

*Inductance measure condition @ 100kHz, 0.1V

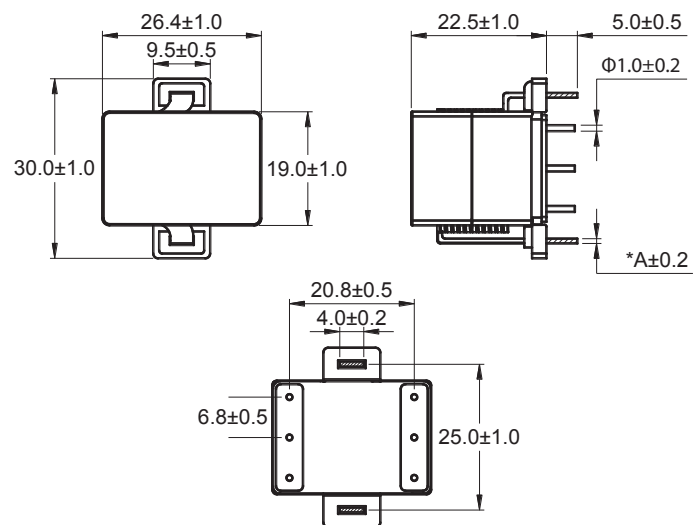
**Isat: Value of inductance decrease within 30%

***Temp. Rise Current: Value of DC current when the temperature rise is $\Delta T 40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$)

Part Number	*Inductance $\pm 20\%$ (μH)	DCR Typ. (Max.) ($\text{m}\Omega$)	**Isat Typ. (A)	***Temperature Rise Current Typ. (A)
CTCHCFW2630F-130M	13.0	1.90(2.10)	35.0	26.0
CTCHCFW2630F-150M	15.0	2.50(2.90)	33.0	25.0
CTCHCFW2630F-180M	18.0	2.70(3.10)	30.0	24.0
CTCHCFW2630F-250M	25.0	3.60(4.10)	28.0	23.0
CTCHCFW2630F-270M	27.0	3.90(4.50)	26.0	22.0
CTCHCFW2630F-330M	33.0	4.20(4.80)	24.0	20.0

PHYSICAL DIMENSIONS

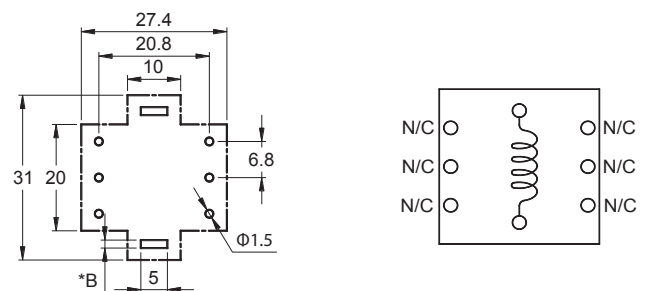
Unit: mm



Part No .	130	150 – 180	250	270 – 330
Dimension A*	1.20	1.00	0.90	0.80

RECOMMENDED PC BOARD LAYOUT & SCHEMATIC

Unit: mm



Part No .	130	150 – 180	250	270 – 330
Dimension B *	1.80	1.60	1.50	1.40

SATURATION CURRENT VS. TEMPERATURE RISE CURRENT CURVE

