CTHCIFW3231F Series

	*Inductance	measure condition	@ 100kHz, 0	0.1V
**Isat: Value of inductance decrease within 20%				
***Temp. Rise Current: Value of DC current when the temperature rise is ∆T40°C(Ta=25°C)				
	*Inductance	DCR	**lsat	***Temperature Rise Current
Part	±20%	Typ. (Max.)	Тур.	Тур.
Number	(µH)	(m Ω)	(A)	(A)
CTHCIFW3231F-180M	18.0	1.43(1.72)	43.0	45.0

SPECIFICATIONS



CHARACTERISTICS

Description: High current power inductors **Features:**

- Sturdy structure
- Powdered iron alloy core technology provides stable inductance and saturation over operating temperature with satisfactory core losses.
- Hot dipped Sn plating provides low risk of whisker growth.
- Flat wire winding, achieve a low D.C. Resistance
 Semi-shielded design

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

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

Inductance tolerance: ±20%

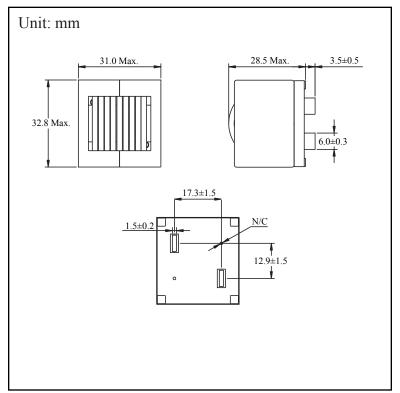
Marking: Parts marked with inductance code

Packaging: Tray packaging

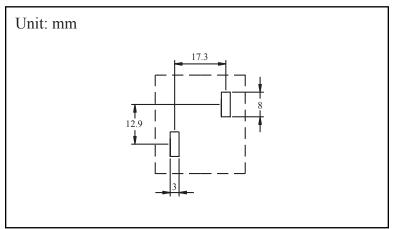
Miscellaneous: RoHS Compliant

Samples Available: See website for ordering information

PHYSICAL DIMENSIONS



RECOMMENDED PC BOARD LAYOUT





SATURATION CURRENT VS. TEMPERATURE RISE CURRENT CURVE

