## CTTV3624F Series From 100nH to 220nH



## **CHARACTERISTICS**

 Description:
 SMD Trans-inductor Voltage Regulator Inductors

 Applications:
 Data centers, Graphic Cards, CPU

 Operating Temperature:
 -40°C to +125°C (including self-temperature rise)

 Storage Temperature:
 -40°C to +125°C (on board)

 Inductance Test Frequency:
 100kHz/1.0V

 Irms(A):
 Heat rated current will cause the coil temperature rise approx. ΔT of 40°C.

 Isat 1(A):
 Saturation current will cause inductance L0 to drop approx. 20% at +25°C.

 Isat 2(A):
 Saturation current will cause inductance L0 to drop approx. 20% at +100°C.

**Isat 3(A):** Saturation current will cause inductance L0 to drop approx. 20% at +100 C. **Isat 3(A):** Saturation current will cause inductance L0 to drop approx. 20% at +125°C. **Rated Current:** The lower value of Isat and Irms.

Storage Condition (Component in its packaging)

- Temperature: Less than 40°C
- Humidity: Less than 60% RH

Miscellaneous:

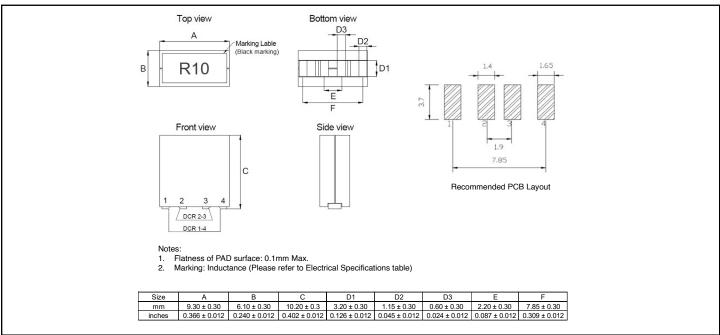
All test data referenced to 25°C ambient

RoHS Compliant

Samples available. See website for ordering information.

## SPECIFICATIONS

Part Number	Inductance (nH) @0A 1-4/2-3 ±15%	Inductance (nH) @lsat1 Min.	DCR (mΩ) ±10%		Irms (A)		Isat 1 (A)	Isat 2 (A)	lsat 3 (A)	Marking
			1-4	2-3	1-4	2-3				
CTTV3624F-R10L	100	64	0.125	0.330	75	40	98	83	78	R10
CTTV3624F-R12L	120	77	0.125	0.330	75	40	79	67	63	R12
CTTV3624F-R15L	150	96	0.125	0.330	75	40	62	53	49	R15
CTTV3624F-R18L	180	115	0.125	0.330	75	40	54	46	43	R18
CTTV3624F-R22L	220	140	0.125	0.330	75	40	50	-	-	R22



## **PHYSICAL DIMENSIONS**



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