

CTTV4020F

Series

From 70nH to 170nH



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 +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 ±10%	Inductance (nH) @Isat1 1-4 Min.	DCR (mΩ) ±10%		Irms (A)		Isat 1 (A)	Isat 2 (A)	Isat 3 (A)	Marking
			1-4	2-3	1-4	2-3				
CTTV4020F-R07K	70	50	0.125	0.450	75	35	127	110	100	70N
CTTV4020F-R08K	80	57	0.125	0.450	75	35	111	96	87	80N
CTTV4020F-R09K	90	64	0.125	0.450	75	35	98	85	77	90N
CTTV4020F-R10K	100	72	0.125	0.450	75	35	89	77	70	R10
CTTV4020F-R12K	120	86	0.125	0.450	75	35	74	64	58	R12
CTTV4020F-R15K	150	108	0.125	0.450	75	35	59	51	46	R15
CTTV4020F-R17K	170	122	0.125	0.450	75	35	52	45	41	R17

PHYSICAL DIMENSIONS

