

02-660F 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 +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) @Isat1 Min.	DCR (mΩ) ±10%		Irms (A)		Isat 1 (A)	Isat 2 (A)	Isat 3 (A)	Marking
			1-4	2-3	1-4	2-3				
02-660F-R10L	100	64	0.125	0.330	75	40	98	83	78	R10
02-660F-R12L	120	77	0.125	0.330	75	40	79	67	63	R12
02-660F-R15L	150	96	0.125	0.330	75	40	62	53	49	R15
02-660F-R18L	180	115	0.125	0.330	75	40	54	46	43	R18
02-660F-R22L	220	140	0.125	0.330	75	40	50	-	-	R22

PHYSICAL DIMENSIONS

Top view

Bottom view

Front view

Side view

Recommended PCB Layout

Notes:

1. Flatness of PAD surface: 0.1mm Max.
2. Marking: Inductance (Please refer to Electrical Specifications table)

Size	A	B	C	D1	D2	D3	E	F
mm	9.30 ± 0.30	6.10 ± 0.30	10.20 ± 0.3	3.20 ± 0.30	1.15 ± 0.30	0.60 ± 0.30	2.20 ± 0.30	7.85 ± 0.30
inches	0.366 ± 0.012	0.240 ± 0.012	0.402 ± 0.012	0.126 ± 0.012	0.045 ± 0.012	0.024 ± 0.012	0.087 ± 0.012	0.309 ± 0.012