

03-678F

From 1.5μH to 470μH

SPECIFICATIONS

Please specify inductance tolerance code when ordering.
03-678F-100_ ← M = ±20%, N = ±30%

Isat: Based on inductance change ($\Delta L/L_0$: drop 30% typ.) at ambient temperature.: 25°C
Irms: Based on temperature rise (ΔT : 40°C typ.)



Not actual size

Part Number	Inductance (μH)	Test Frequency	DCR (Ω)	Rated DC Current	
				Isat (A)	Irms (A)
03-678F-1R5N	1.5	100kHz/0.25V	5.5m ±30%	23.50	10.50
03-678F-2R2N	2.2	100kHz/0.25V	6.3m ±30%	20.00	9.70
03-678F-3R3N	3.3	100kHz/0.25V	7.7m ±30%	15.00	9.50
03-678F-4R7N	4.7	100kHz/0.25V	8.7m ±30%	13.00	9.00
03-678F-6R8N	6.8	100kHz/0.25V	10m ±20%	9.70	8.50
03-678F-100_	10	100kHz/0.25V	12m ±20%	9.20	7.70
03-678F-150_	15	100kHz/0.25V	24m ±20%	7.40	5.10
03-678F-220_	22	100kHz/0.25V	27m ±20%	5.80	4.50
03-678F-330_	33	100kHz/0.25V	52m ±20%	4.50	3.60
03-678F-470_	47	100kHz/0.25V	66m ±20%	4.20	3.20
03-678F-680_	68	100kHz/0.25V	90m ±20%	3.60	2.70
03-678F-101_	100	100kHz/0.25V	0.11 ±20%	2.90	2.60
03-678F-151_	150	100kHz/0.25V	0.17 ±20%	2.40	2.10
03-678F-221_	220	100kHz/0.25V	0.28 ±20%	1.95	1.60
03-678F-331_	330	100kHz/0.25V	0.41 ±20%	1.60	1.25
03-678F-471_	470	100kHz/0.25V	0.59 ±20%	1.30	1.10

CHARACTERISTICS

Description: SMD shielded power inductor

Applications: Thin-screen TV's, LCD's, AV equipment, STB's, LED lights, etc.

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

Storage Temperature(on tape & reel): -20°C to +40°C; 75% RH max.

Inductance Tolerance: ±20%, ±30%

Testing: Inductance tested at 100kHz/0.25V

Packaging: Tape & Reel

Marking: Parts are marked with inductance code.

Miscellaneous: **RoHS Compliant.**

Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

Size	A	B	C Max.	D Typ.	E Typ.	F Typ.
mm	12.5 ± 0.4	12.3 ± 0.4	8.0	4.0	6.3	3.15
inches	0.492 ± 0.016	0.484 ± 0.016	0.315	0.157	0.248	0.124

RECOMMENDED LAND PATTERN

Unit: mm

