

CLF7045T-151M-H Datasheet



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DiGi Electronics Part Number	CLF7045T-151M-H-DG
Manufacturer	TDK Corporation
Manufacturer Product Number	CLF7045T-151M-H
Description	FIXED IND 150UH 670MA 480MOHM SM
Detailed Description	150 μ H Shielded Drum Core, Wirewound Inductor 670 mA 480mOhm Nonstandard

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Purchase and inquiry

Manufacturer Product Number:

CLF7045T-151M-H

Series:

CLF-H

Type:

Drum Core, Wirewound

Inductance:150 μ H**Current Rating (Amps):**

670 mA

Shielding:

Shielded

Q @ Freq:

-

Ratings:

-

Inductance Frequency - Test:

100 kHz

Package / Case:

Nonstandard

Height - Seated (Max):

0.177" (4.50mm)

Manufacturer:

TDK Corporation

Product Status:

Not For New Designs

Material - Core:

Ferrite

Tolerance: \pm 20%**Current - Saturation (Isat):**

610mA

DC Resistance (DCR):

480mOhm

Frequency - Self Resonant:

-

Operating Temperature:

-40°C ~ 125°C

Mounting Type:

Surface Mount

Size / Dimension:

0.283" L x 0.272" W (7.20mm x 6.90mm)

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

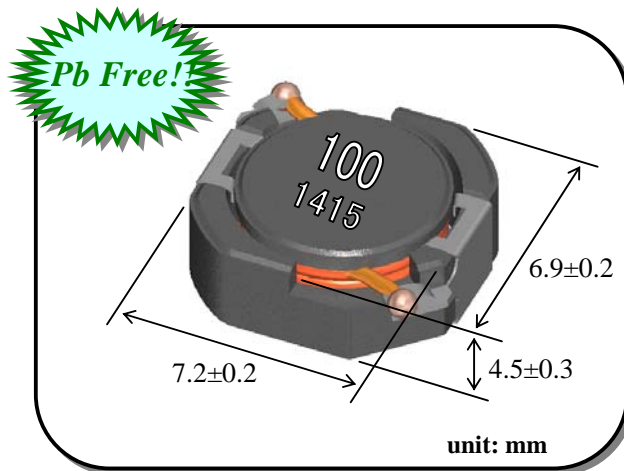
8504.50.8000

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

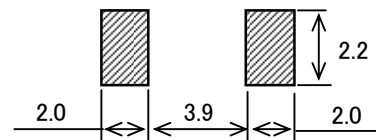
New Products**CLF7045-H TYPE SMD Power Inductor****Component
Image & Dimension****Features :**

- Miniature Size :
Mount Area :6.9mm x 7.2mm
Low Profile : 4.8mm Max. Height
- Tough Design
Generic use for Automotive Appliance.
Heat and vibration, mechanical shock resistance ability can endure an automobile use.
Operation temperature ; -40°C ~ +125°C
(Including self-temperature rise)
Storage temperature ; -40°C ~ +125°C
- High Magnetic Shield Construction should actualize High Resolution for EMC Protection.
- Automatic Mounting in Tape & Reel Package.

Applications :

Automotive Appliance (ECM, HID, Air Bag, Transmission Control, Car Navigation, Car Audio, GPS System) etc.

*Recommended Land Pattern (Unit : mm)

**Electrical Specification (Ref.)**

TDK-EPC Identification	Inductance		Test Freq. (kHz)	DC Resistance		Rated DC Current	
	Spec. (uH)	Tol.		Spec. (Ohm.)	Tol.	Idc 1 (A)	Idc 2 (A)
CLF7045T- 1R0N-H	1.0	+/-30%	100	9.6m	+/-30%	8.9	5.2
CLF7045T- 1R5N-H	1.5	+/-30%	100	11.0m	+/-30%	7.3	4.9
CLF7045T- 2R2N-H	2.2	+/-30%	100	14.6m	+/-30%	5.5	4.3
CLF7045T- 3R3N-H	3.3	+/-30%	100	16.4m	+/-30%	5.0	4.1
CLF7045T- 4R7N-H	4.7	+/-30%	100	20m	+/-30%	4.1	3.6
CLF7045T- 6R8N-H	6.8	+/-30%	100	27m	+/-30%	3.3	3.0
CLF7045T- 100M-H	10	+/-20%	100	38m	+/-20%	2.7	2.5
CLF7045T- 150M-H	15	+/-20%	100	51m	+/-20%	2.3	2.1
CLF7045T- 220M-H	22	+/-20%	100	69m	+/-20%	1.9	1.8
CLF7045T- 330M-H	33	+/-20%	100	0.11	+/-20%	1.55	1.40
CLF7045T- 470M-H	47	+/-20%	100	0.15	+/-20%	1.30	1.20
CLF7045T- 680M-H	68	+/-20%	100	0.21	+/-20%	1.10	0.95
CLF7045T- 101M-H	100	+/-20%	100	0.33	+/-20%	0.90	0.75
CLF7045T- 151M-H	150	+/-20%	100	0.48	+/-20%	0.67	0.61
CLF7045T- 221M-H	220	+/-20%	100	0.66	+/-20%	0.62	0.52
CLF7045T- 331M-H	330	+/-20%	100	1.03	+/-20%	0.49	0.42
CLF7045T- 471M-H	470	+/-20%	100	1.42	+/-20%	0.43	0.37

Note) Idc 1 : Depend on the Inductance Saturation. (-10% Saturation from Initial L Value)

Idc 2 : Depend on the self temperature rise. (+30 degC typ.)

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