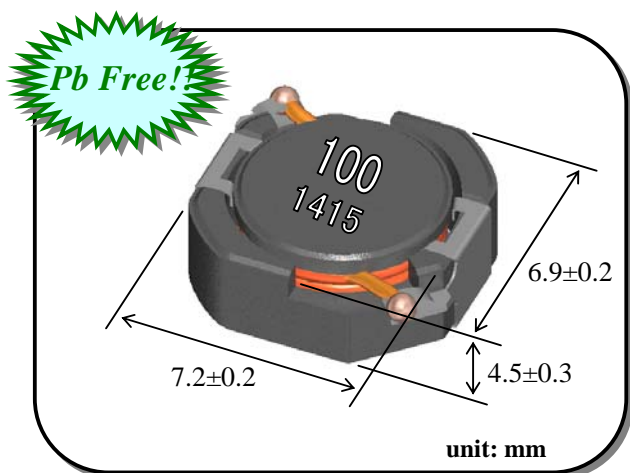




**THE DATASHEET OF
CLF7045T-680M-H**



**Component
Image & Dimension**



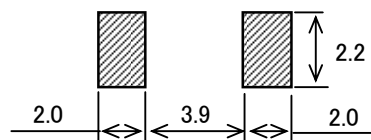
Features :

- a) Miniature Size :
Mount Area :6.9mm x 7.2mm
Low Profile : 4.8mm Max. Height
- b) 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
- c) High Magnetic Shield Construction should actualize High Resolution for EMC Protection.
- d) 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.)

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View CLF7045T-680M-H on WIN SOURCE](#)
-  [TDK Corporation Information](#)

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-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management