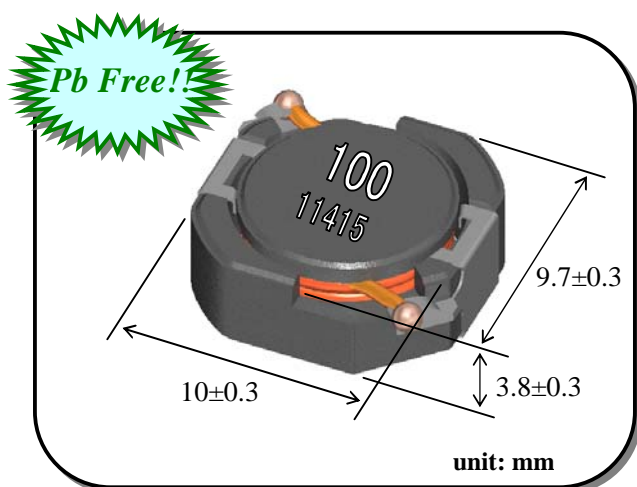




**THE DATASHEET OF
CLF10040T-680M-D**



**Component
Image & Dimension**



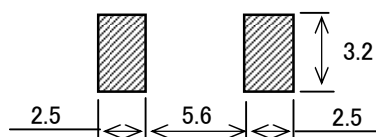
Features :

- a) Miniature Size :
Mount Area :9.7mm x 10mm
Low Profile : 4.1mm Max. Height
- b) Tough Design
Generic use for Automotive Appliance.
Heat and vibration, mechanical shock resistance ability can endure an automobile use.
Operation temperature ; $-40^{\circ}\text{C} \sim +150^{\circ}\text{C}$
(Including self-temperature rise)
Storage temperature ; $-40^{\circ}\text{C} \sim +150^{\circ}\text{C}$
- c) High Magnetic Shield Construction should actualize High Resolution for EMC Protection.
- d) Automatic Mounting in Tape & Reel Package.

Applications :

for Automotive electric control devices and high temperature operation devices
Automotive Appliance (ECM, HID, SRS Air Bag, Transmission control, Power steering control, Brake control, 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)
CLF10040T- 1R0N-D	1.0	+/-30%	100	5.7m	+/-30%	12.0	6.3
CLF10040T- 1R5N-D	1.5	+/-30%	100	7.1m	+/-30%	10.6	5.8
CLF10040T- 2R2N-D	2.2	+/-30%	100	9.7m	+/-30%	7.5	5.0
CLF10040T- 3R3N-D	3.3	+/-30%	100	11.0m	+/-30%	6.6	4.8
CLF10040T- 4R7N-D	4.7	+/-30%	100	14.5m	+/-30%	5.4	4.2
CLF10040T- 6R8N-D	6.8	+/-30%	100	18.5m	+/-30%	4.8	3.7
CLF10040T- 100M-D	10	+/-20%	100	26m	+/-20%	4.0	3.3
CLF10040T- 150M-D	15	+/-20%	100	40m	+/-20%	3.2	2.5
CLF10040T- 220M-D	22	+/-20%	100	55m	+/-20%	2.7	2.2
CLF10040T- 330M-D	33	+/-20%	100	80m	+/-20%	2.2	1.7
CLF10040T- 470M-D	47	+/-20%	100	125m	+/-20%	1.9	1.3
CLF10040T- 680M-D	68	+/-20%	100	180m	+/-20%	1.6	1.1
CLF10040T- 101M-D	100	+/-20%	100	0.24	+/-20%	1.3	1.0
CLF10040T- 151M-D	150	+/-20%	100	0.38	+/-20%	1.0	0.8
CLF10040T- 221M-D	220	+/-20%	100	0.52	+/-20%	0.88	0.70
CLF10040T- 331M-D	330	+/-20%	100	0.86	+/-20%	0.70	0.53
CLF10040T- 471M-D	470	+/-20%	100	1.21	+/-20%	0.56	0.44

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 CLF10040T-680M-D on WIN SOURCE](#)

 [TDK Corporation](#) Information

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management