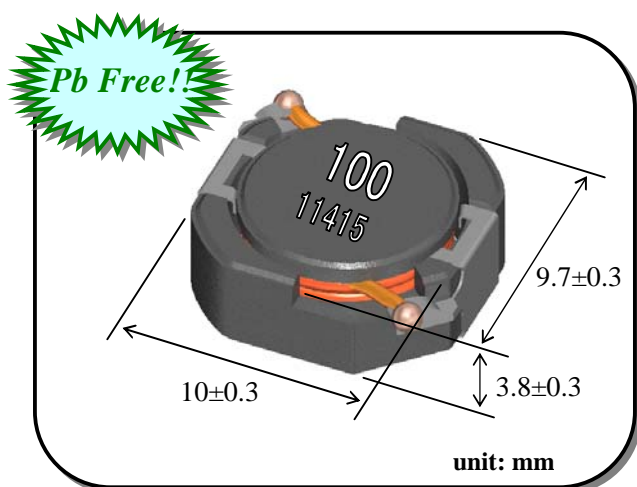




**THE DATASHEET OF  
CLF10040T-221M-D**



**Component  
Image & Dimension**



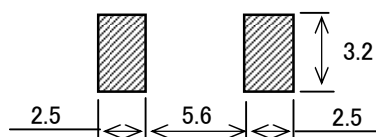
**Features :**

- 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°C ~ +150°C  
(Including self-temperature rise)  
Storage temperature ; -40°C ~ +150°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-221M-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