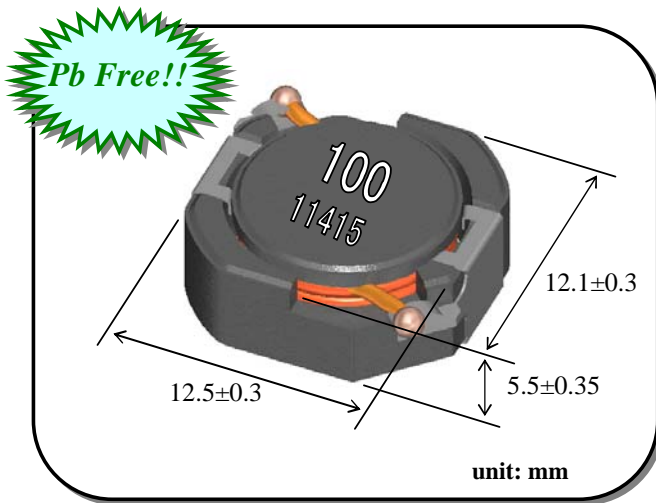




**THE DATASHEET OF
CLF12555T-100M-D**



**Component
Image & Dimension**



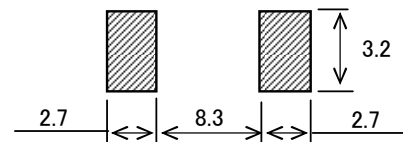
Features :

- a) Miniature Size :
Mount Area :12.5mm x 12.1mm
Low Profile : 5.85mm 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)
CLF12555T- 1R0N-D	1.0	+/-30%	100	6.4m	+/-30%	20.0	7.3
CLF12555T- 1R5N-D	1.5	+/-30%	100	7.3m	+/-30%	16.4	6.7
CLF12555T- 2R2N-D	2.2	+/-30%	100	8.8m	+/-30%	13.1	6.1
CLF12555T- 3R3N-D	3.3	+/-30%	100	10.3m	+/-30%	11.4	5.7
CLF12555T- 4R7N-D	4.7	+/-30%	100	11.7m	+/-30%	9.6	5.3
CLF12555T- 6R8N-D	6.8	+/-30%	100	15.0m	+/-30%	8.0	4.7
CLF12555T- 100M-D	10	+/-20%	100	21m	+/-20%	6.7	3.9
CLF12555T- 150M-D	15	+/-20%	100	31m	+/-20%	5.4	3.2
CLF12555T- 220M-D	22	+/-20%	100	43m	+/-20%	4.8	2.8
CLF12555T- 330M-D	33	+/-20%	100	67m	+/-20%	4.0	2.2
CLF12555T- 470M-D	47	+/-20%	100	100m	+/-20%	3.2	1.8
CLF12555T- 680M-D	68	+/-20%	100	125m	+/-20%	2.6	1.6
CLF12555T- 101M-D	100	+/-20%	100	190m	+/-20%	2.1	1.3
CLF12555T- 151M-D	150	+/-20%	100	260m	+/-20%	1.8	1.1
CLF12555T- 221M-D	220	+/-20%	100	370m	+/-20%	1.5	0.9
CLF12555T- 331M-D	330	+/-20%	100	560m	+/-20%	1.2	0.7
CLF12555T- 471M-D	470	+/-20%	100	795m	+/-20%	1.0	0.6

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 CLF12555T-100M-D on WIN SOURCE](#)
-  [TDK Corporation Information](#)

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-  Shortage Management
-  Alternative Solution
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