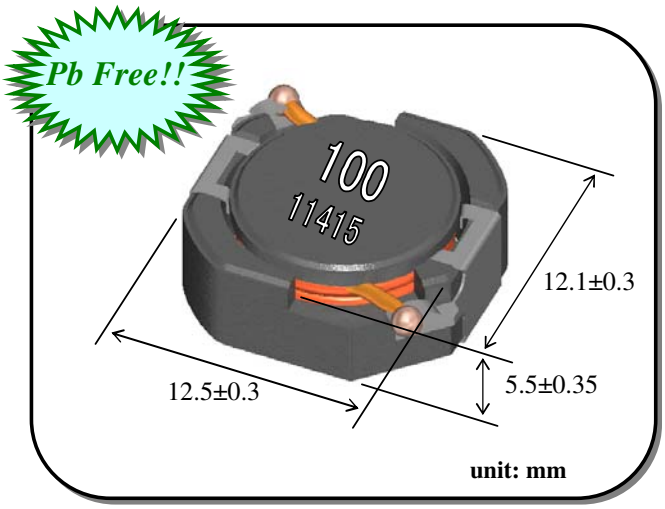
New Products

CLF12555-D TYPE

SMD Power Inductor

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 ; -40ºC ~ +150ºC
(Including self-temperature rise)
Storage temperature ; -40ºC ~ +150ºC

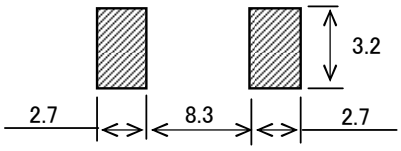
c) High Magnetic Shield Construction should actualize High Resolution for EMC Protection.

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 Spec. (uH)	Inductance Tol.	Test Freq. (kHz)	DC Resistance Spec. (Ohm.)	DC Resistance Tol.	Rated DC Current Idc 1 (A)	Rated DC Current 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.)