New Products

CLF10040-D TYPE SMD Power Inductor

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

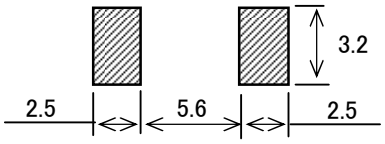
c) High Magnetic Shield Construction should actualize High Resolution for EMC Protection.

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)
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.)