THE DATASHEET OF

CLF6045T-6R8N-D

New Products

CLF6045-D TYPE SMD Power Inductor

Component Image & Dimension

Features :

a) Miniature Size :
Mount Area :5.9mm x 6.2mm
Low Profile : 4.8mm 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

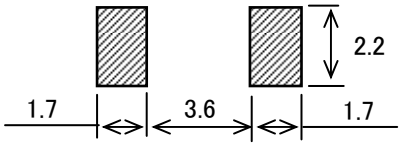
c) High Magnetic Shield Construction should actualize High Resolution for EMC Protection.

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)
CLF6045T-	1R0N-D	1.0	+/-30%	100	11m	+/-30%	5.0	4.5
CLF6045T-	1R5N-D	1.5	+/-30%	100	13m	+/-30%	4.4	4.2
CLF6045T-	2R2N-D	2.2	+/-30%	100	15m	+/-30%	3.9	4.0
CLF6045T-	3R3N-D	3.3	+/-30%	100	19m	+/-30%	3.1	3.5
CLF6045T-	4R7N-D	4.7	+/-30%	100	23m	+/-30%	2.5	3.2
CLF6045T-	6R8N-D	6.8	+/-30%	100	27m	+/-30%	2.2	2.9
CLF6045T-	100M-D	10	+/-20%	100	38m	+/-20%	1.7	2.4
CLF6045T-	150M-D	15	+/-20%	100	55m	+/-20%	1.5	2.0
CLF6045T-	220M-D	22	+/-20%	100	78m	+/-20%	1.3	1.7
CLF6045T-	330M-D	33	+/-20%	100	103m	+/-20%	1.07	1.5
CLF6045T-	470M-D	47	+/-20%	100	130m	+/-20%	0.90	1.3
CLF6045T-	680M-D	68	+/-20%	100	215m	+/-20%	0.79	1.0
CLF6045T-	101M-D	100	+/-20%	100	340m	+/-20%	0.64	0.70
CLF6045T-	151M-D	150	+/-20%	100	480m	+/-20%	0.50	0.60
CLF6045T-	221M-D	220	+/-20%	100	780m	+/-20%	0.41	0.50
CLF6045T-	331M-D	330	+/-20%	100	970m	+/-20%	0.35	0.44
CLF6045T-	471M-D	470	+/-20%	100	1.42	+/-20%	0.30	0.37

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?

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- TDK Corporation Information

Optimize Your Supply Chain with WIN SOURCE Solutions

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- Alternative Solution
- Excess Inventory Management