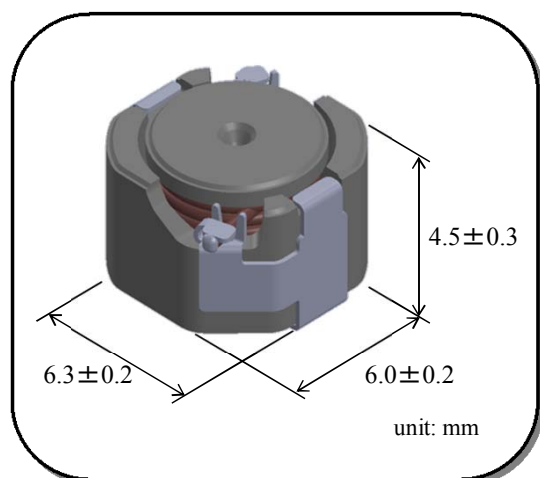


Shape & dimensions :



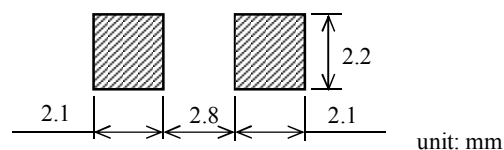
Features :

- a) Miniature Size :
Mounting area: 6.3 × 6.0mm
Low Profile : 4.8mm max. height
- b) Tough design
portable DC/DC Converter
Operating temperature: -40°C ~ +105°C
(including self temperature rise)
Storage temperature : -40°C ~ +105°C
- c) High magnetic shield construction features low EMI
- d) Tape & reel packing for SMT pick and place operation
- e) RoHS compliant
- f) Halogen free

Applications :

for LCD-TV, PDP-TV, LCD Display,
BD Recorder, DVD Recorder, STB, etc

Recommended land pattern :



Electrical specification :

TDK-EPC Identification	Inductance		Test Freq. (kHz)	DC Resistance		Rated Current	
	Spec. (uH)	Tol.		Spec. (Ω)	Tol.	Idc 1 (A)	Idc 2 (A)
CLF6045NIT-1R0N	1.0	+/-30%	100	0.011	+/-30%	6.7	4.8
CLF6045NIT-1R5N	1.5	+/-30%	100	0.013	+/-30%	5.5	4.5
CLF6045NIT-2R2N	2.2	+/-30%	100	0.015	+/-30%	4.2	4.1
CLF6045NIT-3R3N	3.3	+/-30%	100	0.019	+/-30%	3.5	3.7
CLF6045NIT-4R7N	4.7	+/-30%	100	0.023	+/-30%	3.1	3.3
CLF6045NIT-6R8N	6.8	+/-30%	100	0.027	+/-30%	2.5	3.1
CLF6045NIT-100M	10	+/-20%	100	0.038	+/-20%	2.1	2.6
CLF6045NIT-150M	15	+/-20%	100	0.065	+/-20%	1.7	2.0
CLF6045NIT-220M	22	+/-20%	100	0.078	+/-20%	1.4	1.8
CLF6045NIT-330M	33	+/-20%	100	0.100	+/-20%	1.1	1.6
CLF6045NIT-470M	47	+/-20%	100	0.130	+/-20%	0.97	1.4
CLF6045NIT-680M	68	+/-20%	100	0.215	+/-20%	0.81	1.1
CLF6045NIT-101M	100	+/-20%	100	0.340	+/-20%	0.61	0.86
CLF6045NIT-151M	150	+/-20%	100	0.480	+/-20%	0.53	0.72
CLF6045NIT-221M	220	+/-20%	100	0.780	+/-20%	0.47	0.57
CLF6045NIT-331M	330	+/-20%	100	1.000	+/-20%	0.36	0.49
CLF6045NIT-471M	470	+/-20%	100	1.420	+/-20%	0.28	0.41

Notes: Idc 1 : Depends on the inductance saturation. (-30% decrease from nominal L value)

Idc 2 : Depends on the self temperature rise. (+40 deg.C typ.)