

Drum Core Surface Mount Unshielded Power Inductors

◆ Features

1. Excellent solderability and high heat resistance.
2. Excellent terminal strength construction.
3. Packed in embossed carrier tape and can be used by automatic mounting machine.

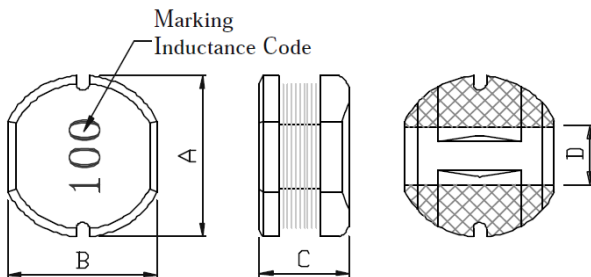


◆ Applications

Power supply for VCR,OA equipment ,LCD television set notebook, DC to DC converters, DC to AC inverters etc.



◆ Shape & Dimensions



◆ Lead Free Part Numbering

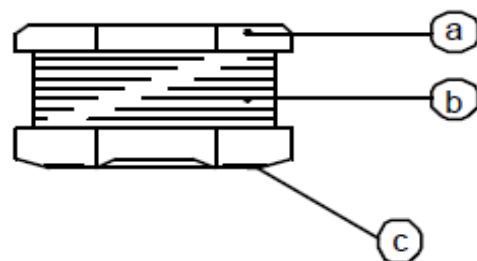
CMLF 1005 - 100 M T T
(1) (2) (3) (4) (5) (6)

- (1) Series Type
- (2) Dimension: A X C
- (3) Inductance: 2R2=2.2 μ H ;
100=10 μ H; 101=100 μ H
- (4) Inductance Tolerance: K=±10%, M=±20%
- (5) Company Code
- (6) Packaging : packed in embossed carrier tape

Series	A (mm)	B (mm)	C (mm)	D (mm)
CMLF1005	10.0±0.3	9.0±0.3	5.4±0.3	2.5 Typ.

◆ Material

Item	Material
a. Core	Ferrite DR Core
b. Wire	Enamelled Copper wire
c. Terminal	Ag+Sn+SnPb



◆ Specification

Part Number 料号	Inductance(μH) 电感量	Test Freq 测试频率	DCR(Ω) Typ. 直流电阻	IDC (A) max. 额定电流
CMLF1005 Series				
CMLF1005-1R0MTT	1.00±20%	100KHz/0.25V	0.010	15.35
CMLF1005-1R5MTT	1.50±20%	100KHz/0.25V	0.020	11.58
CMLF1005-2R2MTT	2.20±20%	100KHz/0.25V	0.020	9.24
CMLF1005-3R3MTT	3.30±20%	100KHz/0.25V	0.030	7.36
CMLF1005-4R7MTT	4.70±20%	100KHz/0.25V	0.030	5.67
CMLF1005-6R8MTT	6.80±20%	100KHz/0.25V	0.040	4.52
CMLF1005-100KTT	10.0±10%	100KHz/0.25V	0.060	4.00
CMLF1005-150KTT	15.0±10%	100KHz/0.25V	0.080	3.50
CMLF1005-220KTT	22.0±10%	100KHz/0.25V	0.100	2.35
CMLF1005-330KTT	33.0±10%	100KHz/0.25V	0.120	1.90
CMLF1005-470KTT	47.0±10%	100KHz/0.25V	0.170	1.28
CMLF1005-560KTT	56.0±10%	100KHz/0.25V	0.190	1.17
CMLF1005-680KTT	68.0±10%	100KHz/0.25V	0.220	1.11
CMLF1005-820KTT	82.0±10%	100KHz/0.25V	0.250	1.00
CMLF1005-101KTT	100.0±10%	100KHz/0.25V	0.350	0.97
CMLF1005-151KTT	150.0±10%	100KHz/0.25V	0.470	0.78
CMLF1005-181KTT	180.0±10%	100KHz/0.25V	0.630	0.72
CMLF1005-221KTT	220.0±10%	100KHz/0.25V	0.730	0.66
CMLF1005-271KTT	270.0±10%	100KHz/0.25V	0.970	0.57
CMLF1005-331KTT	330.0±10%	100KHz/0.25V	1.150	0.52
CMLF1005-391KTT	390.0±10%	100KHz/0.25V	1.300	0.48
CMLF1005-471KTT	470.0±10%	100KHz/0.25V	1.480	0.42
CMLF1005-561KTT	560.0±10%	100KHz/0.25V	1.900	0.33
CMLF1005-681KTT	680.0±10%	100KHz/0.25V	2.250	0.28
CMLF1005-821KTT	820.0±10%	100KHz/0.25V	2.550	0.24

◆ **Note**

- (1) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).
- (2) Operating temperature -55°C ~ +125°C.
- (3) All test data is referenced to 25°C ambient.