cybermax
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CMLF1004 Series

Drum Core Surface Mount Unshielded Power Inductors

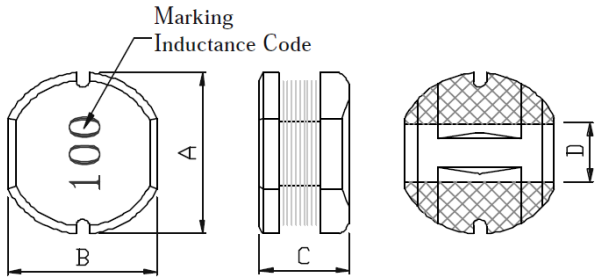
◆ Features

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

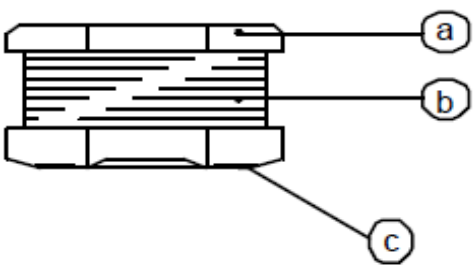
CMLF 1004 - 100 M T T
(1) (2) (3) (4) (5) (6)

(1) Series Type
(2) Dimension：A X C
(3) Inductance：2R2=2.2μH；
100=10μH；101=100μH
(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)
CMLF1004	10.0±0.3	9.0±0.3	4.0±0.3	2.5 Typ.

◆ Material

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



CMLF1004 Series

◆ 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
CMLF1004 Series				
CMLF1004-1R0MTT	1.00±20%	100KHz/0.25V	0.020	12.25
CMLF1004-1R5MTT	1.50±20%	100KHz/0.25V	0.030	9.86
CMLF1004-2R2MTT	2.20±20%	100KHz/0.25V	0.030	7.48
CMLF1004-3R3MTT	3.30±20%	100KHz/0.25V	0.040	6.21
CMLF1004-4R7MTT	4.70±20%	100KHz/0.25V	0.040	5.43
CMLF1004-6R8MTT	6.80±20%	100KHz/0.25V	0.053	4.56
CMLF1004-100MTT	10.0±20%	100KHz/0.25V	0.053	2.38
CMLF1004-150MTT	15.0±20%	100KHz/0.25V	0.070	1.87
CMLF1004-180MTT	18.0±20%	100KHz/0.25V	0.081	1.73
CMLF1004-220MTT	22.0±20%	100KHz/0.25V	0.088	1.60
CMLF1004-330MTT	33.0±20%	100KHz/0.25V	0.120	1.26
CMLF1004-390MTT	39.0±20%	100KHz/0.25V	0.151	1.20
CMLF1004-470MTT	47.0±20%	100KHz/0.25V	0.170	1.10
CMLF1004-560MTT	56.0±20%	100KHz/0.25V	0.199	1.01
CMLF1004-680MTT	68.0±20%	100KHz/0.25V	0.223	0.91
CMLF1004-820MTT	82.0±20%	100KHz/0.25V	0.252	0.85
CMLF1004-101KTT	100.0±10%	100KHz/0.25V	0.344	0.74
CMLF1004-121KTT	120.0±10%	100KHz/0.25V	0.396	0.69
CMLF1004-151KTT	150.0±10%	100KHz/0.25V	0.544	0.61
CMLF1004-181KTT	180.0±10%	100KHz/0.25V	0.621	0.56
CMLF1004-221KTT	220.0±10%	100KHz/0.25V	0.721	0.53
CMLF1004-271KTT	270.0±10%	100KHz/0.25V	0.949	0.45
CMLF1004-331KTT	330.0±10%	100KHz/0.25V	1.100	0.42
CMLF1004-391KTT	390.0±10%	100KHz/0.25V	1.245	0.38
CMLF1004-471KTT	470.0±10%	100KHz/0.25V	1.526	0.35
CMLF1004-561KTT	560.0±10%	100KHz/0.25V	1.904	0.32
CMLF1004-681KTT	680.0±10%	100KHz/0.25V	2.200	0.31
CMLF1004-821KTT	820.0±10%	100KHz/0.25V	2.700	0.30

◆ **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℃ ~ +125℃.

(3) All test data is referenced to 25℃ ambient.