

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

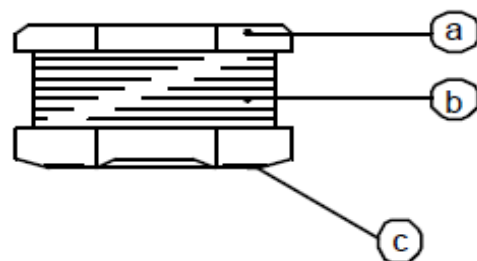
CMLF 0703 - 100 M T T
(1) (2) (3) (4) (5) (6)

- (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= \pm 10%, M= \pm 20%
- (5) Company Code
- (6) Packaging : packed in embossed carrier tape

Series	A (mm)	B (mm)	C (mm)	D (mm)
CMLF0705	7.8 \pm 0.3	7.0 \pm 0.3	3.5 \pm 0.3	2.1 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
CMLF0703 Series:				
CMLF0703-1R0MTT	1.00±20%	100KHz/0.25V	0.030	8.85
CMLF0703-1R5MTT	1.50±20%	100KHz/0.25V	0.050	6.96
CMLF0703-2R2MTT	2.20±20%	100KHz/0.25V	0.050	4.88
CMLF0703-3R3MTT	3.30±20%	100KHz/0.25V	0.060	3.71
CMLF0703-4R7MTT	4.70±20%	100KHz/0.25V	0.070	3.52
CMLF0703-5R6MTT	5.60±20%	100KHz/0.25V	0.070	2.86
CMLF0703-6R8MTT	6.80±20%	100KHz/0.25V	0.080	2.55
CMLF0703-100MTT	10.0±20%	100KHz/0.25V	0.080	1.44
CMLF0703-150MTT	15.0±20%	100KHz/0.25V	0.100	1.24
CMLF0703-180MTT	18.0±20%	100KHz/0.25V	0.110	1.12
CMLF0703-220MTT	22.0±20%	100KHz/0.25V	0.130	1.07
CMLF0703-330MTT	33.0±20%	100KHz/0.25V	0.170	0.85
CMLF0703-390MTT	39.0±20%	100KHz/0.25V	0.220	0.74
CMLF0703-470MTT	47.0±20%	100KHz/0.25V	0.250	0.68
CMLF0703-560MTT	56.0±20%	100KHz/0.25V	0.280	0.64
CMLF0703-680MTT	68.0±20%	100KHz/0.25V	0.330	0.59
CMLF0703-820MTT	82.0±20%	100KHz/0.25V	0.410	0.54
CMLF0703-101KTT	100.0±10%	100KHz/0.25V	0.480	0.51
CMLF0703-151KTT	150.0±10%	100KHz/0.25V	0.750	0.40
CMLF0703-181KTT	180.0±10%	100KHz/0.25V	1.020	0.36
CMLF0703-221KTT	220.0±10%	100KHz/0.25V	1.200	0.31
CMLF0703-271KTT	270.0±10%	100KHz/0.25V	1.310	0.29
CMLF0703-331KTT	330.0±10%	100KHz/0.25V	1.500	0.28
CMLF0703-391KTT	390.0±10%	100KHz/0.25V	1.800	0.26
CMLF0703-471KTT	470.0±10%	100KHz/0.25V	1.950	0.23
CMLF0703-561KTT	560.0±10%	100KHz/0.25V	2.300	0.21
CMLF0703-681KTT	680.0±10%	100KHz/0.25V	2.700	0.13
CMLF0703-821KTT	820.0±10%	100KHz/0.25V	3.200	0.11
CMLF0703-102KTT	1000.0±10%	100KHz/0.25V	3.800	0.08

◆ **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.