

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.

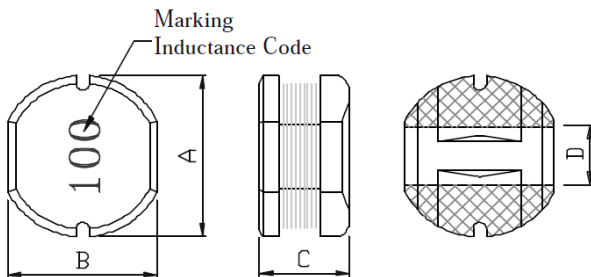


◆ Applications

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 0503 - 100 M T T

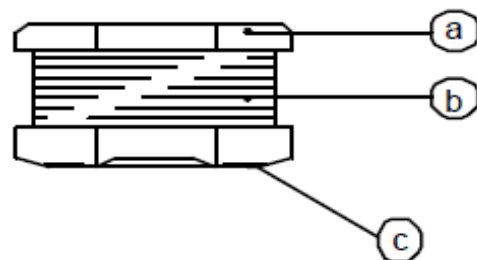
(1) (2) (3) (4) (5) (6)

- (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)
CMLF0503	5.8 \pm 0.3	5.2 \pm 0.3	3.0 \pm 0.3	1.5 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
CMLF0503 Series:				
CMLF0503-1R0MTT	1.00±20%	100KHz/0.25V	0.030	4.50
CMLF0503-1R5MTT	1.50±20%	100KHz/0.25V	0.030	4.10
CMLF0503-2R2MTT	2.20±20%	100KHz/0.25V	0.030	3.50
CMLF0503-2R7MTT	2.70±20%	100KHz/0.25V	0.040	3.20
CMLF0503-3R3MTT	3.30±20%	100KHz/0.25V	0.050	2.80
CMLF0503-4R7MTT	4.70±20%	100KHz/0.25V	0.070	2.50
CMLF0503-5R6MTT	5.60±20%	100KHz/0.25V	0.080	2.40
CMLF0503-6R8MTT	6.80±20%	100KHz/0.25V	0.090	2.20
CMLF0503-100MTT	10.0±20%	100KHz/0.25V	0.120	1.90
CMLF0503-120MTT	12.0±20%	100KHz/0.25V	0.130	1.75
CMLF0503-150MTT	15.0±20%	100KHz/0.25V	0.150	1.70
CMLF0503-220KTT	22.0±10%	100KHz/0.25V	0.220	1.50
CMLF0503-330KTT	33.0±10%	100KHz/0.25V	0.300	1.10
CMLF0503-390KTT	39.0±10%	100KHz/0.25V	0.400	1.00
CMLF0503-470KTT	47.0±10%	100KHz/0.25V	0.430	0.90
CMLF0503-560KTT	56.0±10%	100KHz/0.25V	0.500	0.85
CMLF0503-680KTT	68.0±10%	100KHz/0.25V	0.600	0.80
CMLF0503-820KTT	82.0±10%	100KHz/0.25V	0.800	0.65
CMLF0503-101KTT	100.0±10%	100KHz/0.25V	0.900	0.60
CMLF0503-121KTT	120.0±10%	100KHz/0.25V	1.000	0.58
CMLF0503-151KTT	150.0±10%	100KHz/0.25V	1.300	0.43
CMLF0503-221KTT	220.0±10%	100KHz/0.25V	2.000	0.38
CMLF0503-271KTT	270.0±10%	100KHz/0.25V	2.500	0.35
CMLF0503-331KTT	330.0±10%	100KHz/0.25V	3.200	0.28
CMLF0503-391KTT	390.0±10%	100KHz/0.25V	3.500	0.26
CMLF0503-471KTT	470.0±10%	100KHz/0.25V	4.200	0.20
CMLF0503-561KTT	560.0±10%	100KHz/0.25V	4.500	0.19
CMLF0503-681KTT	680.0±10%	100KHz/0.25V	6.000	0.18

◆ 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.