

## 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.

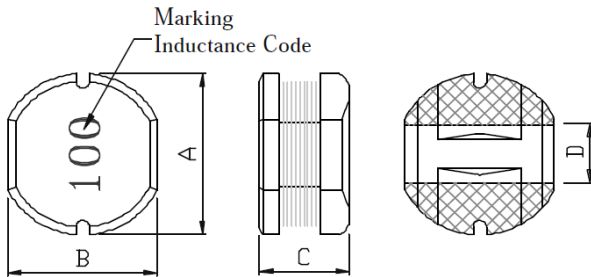


### ◆ Applications

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 0403 - 100 M T T**

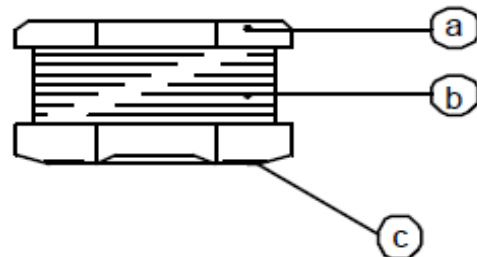
(1) (2) (3) (4) (5) (6)

- (1) Series Type
- (2) Dimension: A X C
- (3) Inductance: 2R2=2.2 $\mu$ H ;  
100=10 $\mu$ H; 101=100 $\mu$ 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)
CMLF0403	4.5 $\pm$ 0.3	4.0 $\pm$ 0.3	3.2 $\pm$ 0.3	1.2 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
<b>CMLF0403 Series</b>				
CMLF0403-1R0MTT	1.00±20%	100KHz/0.25V	0.033	3.80
CMLF0403-1R5MTT	1.50±20%	100KHz/0.25V	0.039	3.22
CMLF0403-2R2MTT	2.20±20%	100KHz/0.25V	0.047	2.90
CMLF0403-3R3MTT	3.30±20%	100KHz/0.25V	0.058	2.15
CMLF0403-3R9MTT	3.90±20%	100KHz/0.25V	0.076	1.98
CMLF0403-4R7KTT	4.70±10%	100KHz/0.25V	0.094	1.80
CMLF0403-5R6KTT	5.60±10%	100KHz/0.25V	0.101	1.70
CMLF0403-6R8KTT	6.80±10%	100KHz/0.25V	0.117	1.51
CMLF0403-8R2KTT	8.20±10%	100KHz/0.25V	0.132	1.46
CMLF0403-100KTT	10.0±10%	100KHz/0.25V	0.182	1.35
CMLF0403-120KTT	12.0±10%	100KHz/0.25V	0.210	1.05
CMLF0403-150KTT	15.0±10%	100KHz/0.25V	0.235	0.92
CMLF0403-220KTT	22.0±10%	100KHz/0.25V	0.378	0.76
CMLF0403-330KTT	33.0±10%	100KHz/0.25V	0.540	0.64
CMLF0403-390KTT	39.0±10%	100KHz/0.25V	0.587	0.59
CMLF0403-470KTT	47.0±10%	100KHz/0.25V	0.844	0.54
CMLF0403-560KTT	56.0±10%	100KHz/0.25V	0.937	0.50
CMLF0403-680KTT	68.0±10%	100KHz/0.25V	1.117	0.46
CMLF0403-820KTT	82.0±10%	100KHz/0.25V	1.345	0.45
CMLF0403-101KTT	100.0±10%	100KHz/0.25V	1.520	0.44
CMLF0403-121KTT	120.0±10%	100KHz/0.25V	1.800	0.43
CMLF0403-151KTT	150.0±10%	100KHz/0.25V	2.000	0.42
CMLF0403-181KTT	180.0±10%	100KHz/0.25V	3.200	0.38
CMLF0403-221KTT	220.0±10%	100KHz/0.25V	3.400	0.36
CMLF0403-271KTT	270.0±10%	100KHz/0.25V	3.900	0.34
CMLF0403-331KTT	330.0±10%	100KHz/0.25V	5.300	0.28
CMLF0403-391KTT	390.0±10%	100KHz/0.25V	5.900	0.24
CMLF0403-471KTT	470.0±10%	100KHz/0.25V	6.800	0.21
CMLF0403-561KTT	560.0±10%	100KHz/0.25V	8.500	0.20
CMLF0403-681KTT	680.0±10%	100KHz/0.25V	10.000	0.18
CMLF0403-821KTT	820.0±10%	100KHz/0.25V	13.400	0.15

◆ **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.