

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.

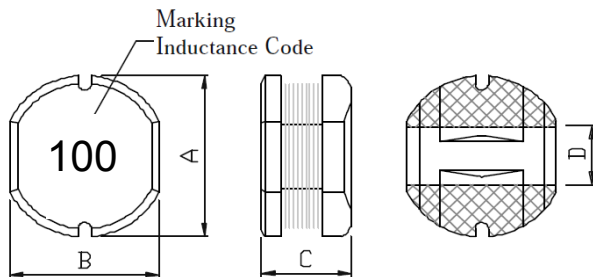


◆ Applications

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

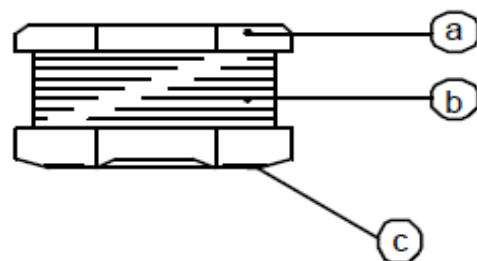
CMLF 0302 - 100 M T T
(1) (2) (3) (4) (5) (6)

- (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)
CMLF0302	3.5 \pm 0.3	3.0 \pm 0.3	2.1 \pm 0.3	1.0 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
CMLF0302 Series:				
CMLF0302-1R0MTT	1.0±20%	100KHz/0.25V	0.035	3.34
CMLF0302-1R5MTT	1.5±20%	100KHz/0.25V	0.060	2.50
CMLF0302-1R8MTT	1.8±20%	100KHz/0.25V	0.090	2.30
CMLF0302-2R2MTT	2.2±20%	100KHz/0.25V	0.120	2.00
CMLF0302-3R3MTT	3.3±20%	100KHz/0.25V	0.158	1.55
CMLF0302-4R7MTT	4.7±20%	100KHz/0.25V	0.172	1.50
CMLF0302-5R6MTT	5.6±20%	100KHz/0.25V	0.192	1.35
CMLF0302-6R8MTT	6.8±20%	100KHz/0.25V	0.219	1.20
CMLF0302-8R2MTT	8.2±20%	100KHz/0.25V	0.247	1.15
CMLF0302-100MTT	10±20%	100KHz/0.25V	0.286	1.05
CMLF0302-150MTT	15±20%	100KHz/0.25V	0.468	0.95
CMLF0302-220MTT	22±20%	100KHz/0.25V	0.611	0.90
CMLF0302-330MTT	33±20%	100KHz/0.25V	0.962	0.85
CMLF0302-470MTT	47±20%	100KHz/0.25V	1.500	0.80
CMLF0302-680MTT	68±20%	100KHz/0.25V	2.000	0.78
CMLF0302-820MTT	82±20%	100KHz/0.25V	2.500	0.76
CMLF0302-101MTT	100±20%	100KHz/0.25V	3.000	0.75
CMLF0302-151MTT	150±20%	100KHz/0.25V	4.000	0.73
CMLF0302-221MTT	220±20%	100KHz/0.25V	5.500	0.70
CMLF0302-331MTT	330±20%	100KHz/0.25V	7.000	0.70
CMLF0302-471MTT	470±20%	100KHz/0.25V	12.000	0.69

◆ 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.