cybermax
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CMLF0403 Series

Drum Core Surface Mount Unshielded Power Inductors

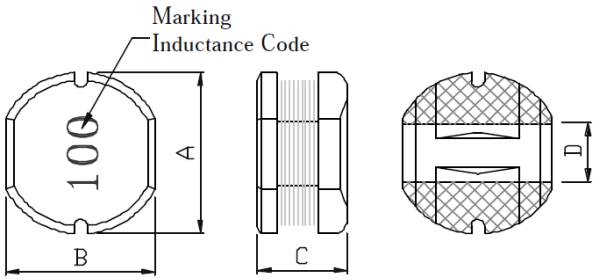
◆ Features

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

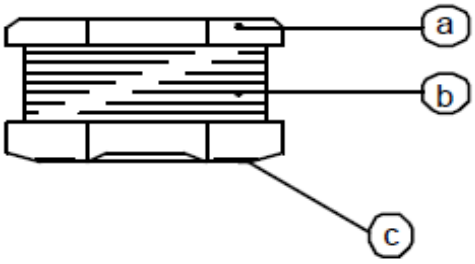
CMLF 0403 - 100 M T T
(1) (2) (3) (4) (5) (6)

(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)
CMLF0403	4.5±0.3	4.0±0.3	3.2±0.3	1.2 Typ.

◆ Material

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



CMLF0403 Series

◆ Specification

Part Number	Inductance (μH)	DCR (Ω) max.	IDC (A) max.
CMLF0403 Series:			
CMLF0403-1R0MTT	1.00±20%	0.033	3.80
CMLF0403-1R8MTT	1.80±20%	0.042	2.91
CMLF0403-2R2MTT	2.20±20%	0.047	2.60
CMLF0403-3R3MTT	3.30±20%	0.058	2.15
CMLF0403-3R9MTT	3.90±20%	0.076	1.98
CMLF0403-4R7MTT	4.70±20%	0.094	1.70
CMLF0403-5R6MTT	5.60±20%	0.101	1.60
CMLF0403-6R8MTT	6.80±20%	0.117	1.41
CMLF0403-8R2MTT	8.20±20%	0.132	1.26
CMLF0403-100MTT	10.0±20%	0.182	1.15
CMLF0403-120MTT	12.0±20%	0.210	1.05
CMLF0403-150MTT	15.0±20%	0.235	0.92
CMLF0403-220MTT	22.0±20%	0.378	0.76
CMLF0403-330MTT	33.0±20%	0.540	0.64
CMLF0403-390MTT	39.0±20%	0.587	0.59
CMLF0403-470MTT	47.0±20%	0.844	0.54
CMLF0403-560MTT	56.0±20%	0.937	0.50
CMLF0403-680MTT	68.0±20%	1.117	0.46
CMLF0403-820MTT	82.0±20%	1.345	0.45
CMLF0403-101KTT	100.0±10%	1.520	0.44
CMLF0403-121KTT	120.0±10%	1.800	0.43
CMLF0403-151KTT	150.0±10%	2.000	0.42
CMLF0403-181KTT	180.0±10%	3.200	0.38
CMLF0403-221KTT	220.0±10%	3.400	0.36
CMLF0403-271KTT	270.0±10%	3.900	0.34
CMLF0403-331KTT	330.0±10%	5.300	0.28
CMLF0403-391KTT	390.0±10%	5.900	0.24
CMLF0403-471KTT	470.0±10%	6.800	0.21
CMLF0403-561KTT	560.0±10%	8.500	0.20
CMLF0403-681KTT	680.0±10%	10.000	0.18
CMLF0403-821KTT	820.0±10%	13.400	0.15

◆ Note

(1) Inductance is measured by LCR-meter 4284A/4286A (HP) or equivalent.
(2) Inductance test condition: CMLF0504: 1.0μH~8.2H:7.96MTTHz/0.5V,
10.0μH~82.0μH:2.52MTTHz/0.5V,More than 100.0μH at 1.0KTTHz/1.0V.
(3) DC Resistance is measured by HP4338B Milliohms Meter or equivalent.
(4) Rated current is measured by LCR-meter 3260B (WK) & DC Bias 3265B(WK) at 1.0KTTHz/1.0V.
(5) 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).
(6) Operating temperature -55℃ ~ +125℃.
(7) All test data is referenced to 25℃ ambient.

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