cybermax
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CMLF0504 Series

Drum Core Surface Mount Unshielded Power Inductors

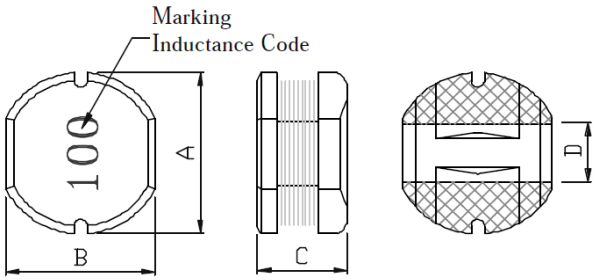
◆ Features

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

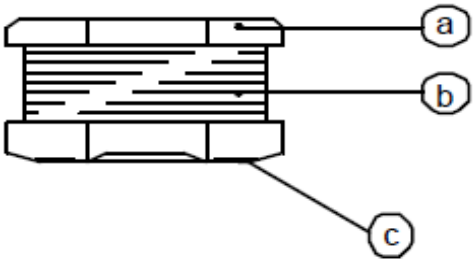
CMLF 0504 - 100 M T T
(1) (2) (3) (4) (5) (6)

(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)
CMLF0504	5.8±0.3	5.2±0.3	4.5±0.3	1.5 Typ.

◆ Material

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



CMLF0504 Series

◆ Specification

Part Number	Inductance (μH)	DCR (Ω) max.	IDC (A) max.
CMLF0504 Series:			
CMLF0504-1R0MTT	1.00±20%	0.015	6.10
CMLF0504-1R2MTT	1.20±20%	0.020	5.70
CMLF0504-1R5MTT	1.50±20%	0.025	5.10
CMLF0504-1R8MTT	1.80±20%	0.030	4.90
CMLF0504-2R2MTT	2.20±20%	0.035	4.80
CMLF0504-3R3MTT	3.30±20%	0.045	4.20
CMLF0504-4R7MTT	4.70±20%	0.060	3.30
CMLF0504-5R6MTT	5.60±20%	0.070	3.10
CMLF0504-6R8MTT	6.80±20%	0.080	3.00
CMLF0504-8R2MTT	8.20±20%	0.090	2.70
CMLF0504-100KTT	10.0±10%	0.100	2.50
CMLF0504-120KTT	12.0±10%	0.120	2.30
CMLF0504-150KTT	15.0±10%	0.140	2.20
CMLF0504-180KTT	18.0±10%	0.150	1.83
CMLF0504-220KTT	22.0±10%	0.180	1.40
CMLF0504-270KTT	27.0±10%	0.200	1.37
CMLF0504-330KTT	33.0±10%	0.230	1.28
CMLF0504-390KTT	39.0±10%	0.320	0.80
CMLF0504-470KTT	47.0±10%	0.370	0.72
CMLF0504-560KTT	56.0±10%	0.420	0.68
CMLF0504-680KTT	68.0±10%	0.460	0.61
CMLF0504-820KTT	82.0±10%	0.600	0.58
CMLF0504-101KTT	100.0±10%	0.700	0.52
CMLF0504-121KTT	120.0±10%	0.930	0.48
CMLF0504-151KTT	150.0±10%	1.100	0.40
CMLF0504-181KTT	180.0±10%	1.380	0.38
CMLF0504-221KTT	220.0±10%	1.570	0.35
CMLF0504-271KTT	270.0±10%	1.650	0.32
CMLF0504-331KTT	330.0±10%	1.700	0.28
CMLF0504-391KTT	390.0±10%	1.800	0.26
CMLF0504-471KTT	470.0±10%	2.300	0.23
CMLF0504-561KTT	560.0±10%	2.500	0.20
CMLF0504-681KTT	680.0±10%	3.000	0.19
CMLF0504-821KTT	820.0±10%	4.500	0.16
CMLF0504-102KTT	1000.0±10%	4.800	0.14

◆ 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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