cybermax
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CMLF0705 Series

Drum Core Surface Mount Unshielded Power Inductors

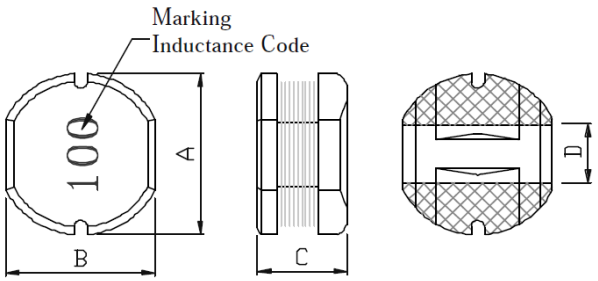
◆ Features

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

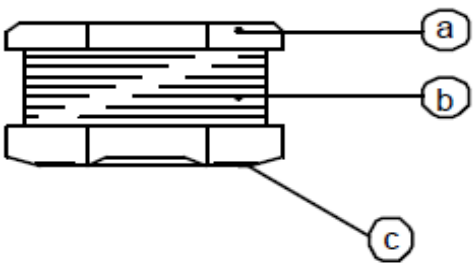
CMLF	0705 -	100	M	T	T
(1)	(2)	(3)	(4)	(5)	(6)

(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)
CMLF0705	7.8±0.3	7.0±0.3	5.0±0.3	2.1 Typ.

◆ Material

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



CMLF0705 Series

◆ Specification

Part Number 料号	Inductance(μH) 电感量	Test Freq 测试频率	DCR(Ω) max. 直流电阻	IDC (A) max. 额定电流
CMLF0705 Series				
CMLF0705-1R0MTT	1.00±20%	100KHz/0.25V	0.030	11.25
CMLF0705-1R5MTT	1.50±20%	100KHz/0.25V	0.040	8.35
CMLF0705-2R2MTT	2.20±20%	100KHz/0.25V	0.050	6.52
CMLF0705-2R7MTT	2.70±20%	100KHz/0.25V	0.060	6.06
CMLF0705-3R3MTT	3.30±20%	100KHz/0.25V	0.060	5.26
CMLF0705-4R7MTT	4.70±20%	100KHz/0.25V	0.070	4.54
CMLF0705-5R6MTT	5.60±20%	100KHz/0.25V	0.070	4.25
CMLF0705-6R8MTT	6.80±20%	100KHz/0.25V	0.070	3.45
CMLF0705-8R2MTT	8.20±20%	100KHz/0.25V	0.070	3.30
CMLF0705-100KTT	10.0±10%	100KHz/0.25V	0.070	3.20
CMLF0705-120KTT	12.0±10%	100KHz/0.25V	0.080	2.70
CMLF0705-150KTT	15.0±10%	100KHz/0.25V	0.090	2.00
CMLF0705-180KTT	18.0±10%	100KHz/0.25V	0.100	1.90
CMLF0705-220KTT	22.0±10%	100KHz/0.25V	0.110	1.70
CMLF0705-330KTT	33.0±10%	100KHz/0.25V	0.130	1.50
CMLF0705-390KTT	39.0±10%	100KHz/0.25V	0.160	1.40
CMLF0705-470KTT	47.0±10%	100KHz/0.25V	0.180	1.30
CMLF0705-560KTT	56.0±10%	100KHz/0.25V	0.240	0.94
CMLF0705-680KTT	68.0±10%	100KHz/0.25V	0.280	0.85
CMLF0705-820KTT	82.0±10%	100KHz/0.25V	0.370	0.78
CMLF0705-101KTT	100.0±10%	100KHz/0.25V	0.430	0.72
CMLF0705-151KTT	150.0±10%	100KHz/0.25V	0.640	0.58
CMLF0705-181KTT	180.0±10%	100KHz/0.25V	0.710	0.51
CMLF0705-221KTT	220.0±10%	100KHz/0.25V	0.960	0.49
CMLF0705-331KTT	330.0±10%	100KHz/0.25V	1.260	0.40
CMLF0705-391KTT	390.0±10%	100KHz/0.25V	1.770	0.36
CMLF0705-471KTT	470.0±10%	100KHz/0.25V	1.960	0.34
CMLF0705-561KTT	560.0±10%	100KHz/0.25V	2.000	0.33
CMLF0705-681KTT	680.0±10%	100KHz/0.25V	2.200	0.32
CMLF0705-821KTT	820.0±10%	100KHz/0.25V	2.900	0.25
CMLF0705-102KTT	1000.0±10%	100KHz/0.25V	3.900	0.20

◆ **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℃ ~ +125℃.

(3) All test data is referenced to 25℃ ambient.

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