

◆ 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.

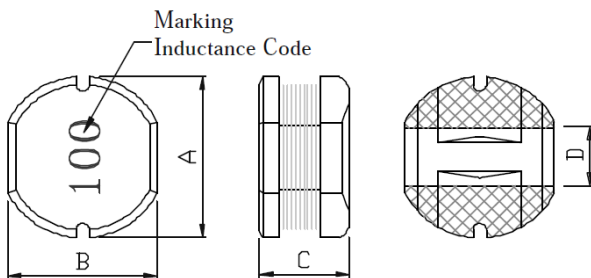


◆ Applications

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

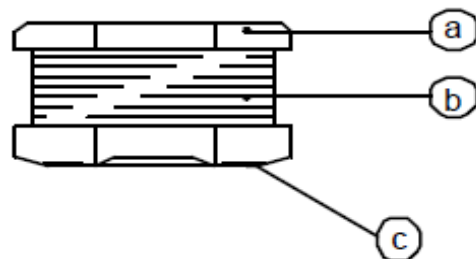
(1) (2) (3) (4) (5) (6)

- (1) Series Type
- (2) Dimension: A X C
- (3) Inductance: 2R2=2.2 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) |
|----------|---------------|---------------|---------------|----------|
| CMLF0705 | 7.8 \pm 0.3 | 7.0 \pm 0.3 | 5.0 \pm 0.3 | 2.1 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) 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°C ~ +125°C.
- (3) All test data is referenced to 25°C ambient.

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