

### ◆ 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.

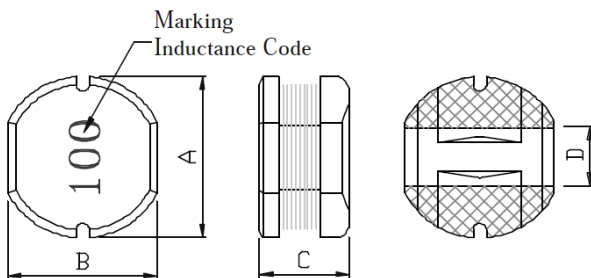


### ◆ Applications

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**

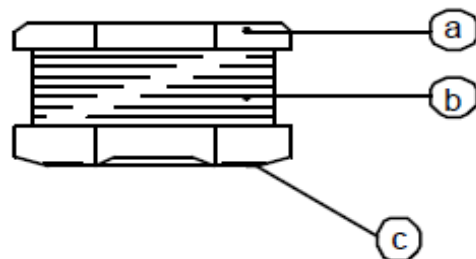
(1) (2) (3) (4) (5) (6)

- (1) Series Type
- (2) Dimension: A X C
- (3) Inductance: 2R2=2.2 $\mu$ H ;  
100=10 $\mu$ H; 101=100 $\mu$ 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<br>料号      | Inductance(μH)<br>电感量 | Test Freq<br>测试频率 | DCR(Ω) max.<br>直流电阻 | IDC (A) max.<br>额定电流 |
|------------------------|-----------------------|-------------------|---------------------|----------------------|
| <b>CMLF0705 Series</b> |                       |                   |                     |                      |
| 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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