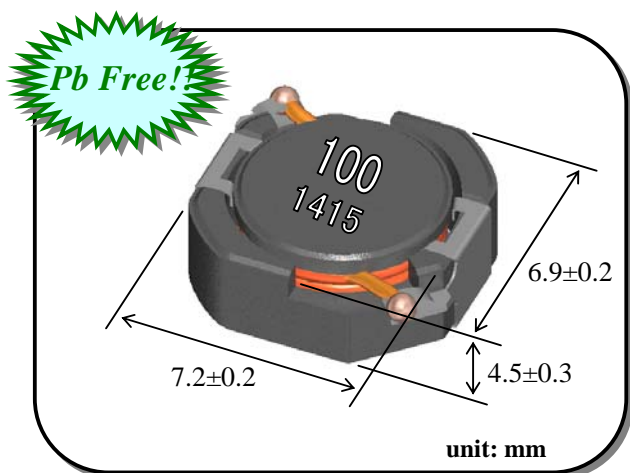




**THE DATASHEET OF
CLF7045T-151M-H**



**Component
Image & Dimension**



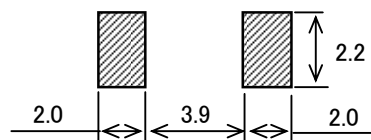
Features :

- a) Miniature Size :
Mount Area :6.9mm x 7.2mm
Low Profile : 4.8mm Max. Height
- b) Tough Design
Generic use for Automotive Appliance.
Heat and vibration, mechanical shock resistance ability can endure an automobile use.
Operation temperature ; -40°C ~ +125°C
(Including self-temperature rise)
Storage temperature ; -40°C ~ +125°C
- c) High Magnetic Shield Construction should actualize High Resolution for EMC Protection.
- d) Automatic Mounting in Tape & Reel Package.

Applications :

Automotive Appliance (ECM, HID, Air Bag, Transmission Control, Car Navigation, Car Audio, GPS System) etc.

*Recommended Land Pattern (Unit : mm)



Electrical Specification (Ref.)



| TDK-EPC Identification | Inductance | | Test Freq. (kHz) | DC Resistance | | Rated DC Current | |
|------------------------|------------|--------|------------------|---------------|--------|------------------|-----------|
| | Spec. (uH) | Tol. | | Spec. (Ohm.) | Tol. | Idc 1 (A) | Idc 2 (A) |
| CLF7045T- 1R0N-H | 1.0 | +/-30% | 100 | 9.6m | +/-30% | 8.9 | 5.2 |
| CLF7045T- 1R5N-H | 1.5 | +/-30% | 100 | 11.0m | +/-30% | 7.3 | 4.9 |
| CLF7045T- 2R2N-H | 2.2 | +/-30% | 100 | 14.6m | +/-30% | 5.5 | 4.3 |
| CLF7045T- 3R3N-H | 3.3 | +/-30% | 100 | 16.4m | +/-30% | 5.0 | 4.1 |
| CLF7045T- 4R7N-H | 4.7 | +/-30% | 100 | 20m | +/-30% | 4.1 | 3.6 |
| CLF7045T- 6R8N-H | 6.8 | +/-30% | 100 | 27m | +/-30% | 3.3 | 3.0 |
| CLF7045T- 100M-H | 10 | +/-20% | 100 | 38m | +/-20% | 2.7 | 2.5 |
| CLF7045T- 150M-H | 15 | +/-20% | 100 | 51m | +/-20% | 2.3 | 2.1 |
| CLF7045T- 220M-H | 22 | +/-20% | 100 | 69m | +/-20% | 1.9 | 1.8 |
| CLF7045T- 330M-H | 33 | +/-20% | 100 | 0.11 | +/-20% | 1.55 | 1.40 |
| CLF7045T- 470M-H | 47 | +/-20% | 100 | 0.15 | +/-20% | 1.30 | 1.20 |
| CLF7045T- 680M-H | 68 | +/-20% | 100 | 0.21 | +/-20% | 1.10 | 0.95 |
| CLF7045T- 101M-H | 100 | +/-20% | 100 | 0.33 | +/-20% | 0.90 | 0.75 |
| CLF7045T- 151M-H | 150 | +/-20% | 100 | 0.48 | +/-20% | 0.67 | 0.61 |
| CLF7045T- 221M-H | 220 | +/-20% | 100 | 0.66 | +/-20% | 0.62 | 0.52 |
| CLF7045T- 331M-H | 330 | +/-20% | 100 | 1.03 | +/-20% | 0.49 | 0.42 |
| CLF7045T- 471M-H | 470 | +/-20% | 100 | 1.42 | +/-20% | 0.43 | 0.37 |

Note) Idc 1 : Depend on the Inductance Saturation. (-10% Saturation from Initial L Value)

Idc 2 : Depend on the self temperature rise. (+30 degC typ.)

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View CLF7045T-151M-H on WIN SOURCE](#)
-  [TDK Corporation](#) Information

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-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management