

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[TDK Corporation](#)
[CLF6045T-100M-H](#)

For any questions, you can email us directly:

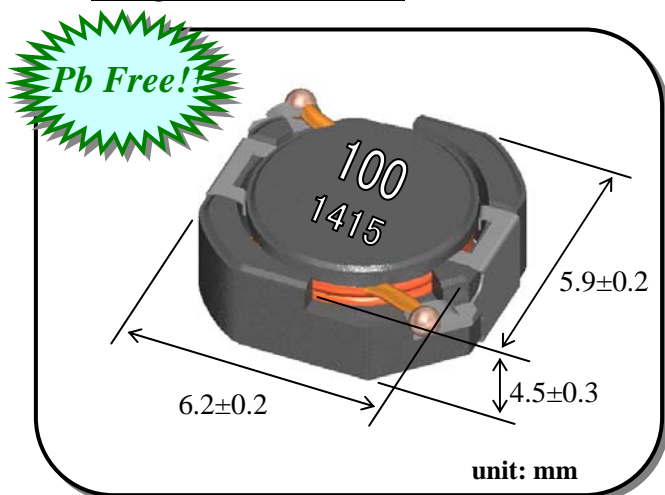
sales@integrated-circuit.com

New Products

CLF6045-H TYPE SMD Power Inductor

Component

Image & Dimension



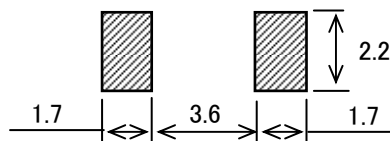
Features :

- a) Miniature Size :
 Mount Area :5.9mm x 6.2mm
 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 :

For Automotive electric control devices and high temperature operation devices
 Automotive Appliance (ECM, HID, SRS Air Bag, Transmission control, Power steering control, Brake control, 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) |
| CLF6045T- 1R0N-H | 1.0 | +/-30% | 100 | 11m | +/-30% | 5.0 | 4.5 |
| CLF6045T- 1R5N-H | 1.5 | +/-30% | 100 | 13m | +/-30% | 4.4 | 4.2 |
| CLF6045T- 2R2N-H | 2.2 | +/-30% | 100 | 15m | +/-30% | 3.9 | 4.0 |
| CLF6045T- 3R3N-H | 3.3 | +/-30% | 100 | 19m | +/-30% | 3.1 | 3.5 |
| CLF6045T- 4R7N-H | 4.7 | +/-30% | 100 | 23m | +/-30% | 2.5 | 3.2 |
| CLF6045T- 6R8N-H | 6.8 | +/-30% | 100 | 27m | +/-30% | 2.2 | 2.9 |
| CLF6045T- 100M-H | 10 | +/-20% | 100 | 38m | +/-20% | 1.7 | 2.4 |
| CLF6045T- 150M-H | 15 | +/-20% | 100 | 55m | +/-20% | 1.5 | 2.0 |
| CLF6045T- 220M-H | 22 | +/-20% | 100 | 78m | +/-20% | 1.3 | 1.7 |
| CLF6045T- 330M-H | 33 | +/-20% | 100 | 103m | +/-20% | 1.07 | 1.5 |
| CLF6045T- 470M-H | 47 | +/-20% | 100 | 130m | +/-20% | 0.90 | 1.3 |
| CLF6045T- 680M-H | 68 | +/-20% | 100 | 215m | +/-20% | 0.79 | 1.0 |
| CLF6045T- 101M-H | 100 | +/-20% | 100 | 340m | +/-20% | 0.64 | 0.70 |
| CLF6045T- 151M-H | 150 | +/-20% | 100 | 480m | +/-20% | 0.50 | 0.60 |
| CLF6045T- 221M-H | 220 | +/-20% | 100 | 780m | +/-20% | 0.41 | 0.50 |
| CLF6045T- 331M-H | 330 | +/-20% | 100 | 970m | +/-20% | 0.35 | 0.44 |
| CLF6045T- 471M-H | 470 | +/-20% | 100 | 1.42 | +/-20% | 0.30 | 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.)