

### Component Image & Dimension



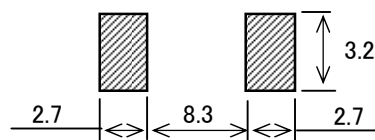
### Features :

- a) Miniature Size :  
Mount Area :12.5mm x 12.1mm  
Low Profile : 5.85mm 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) |
| CLF12555T- 1R0N-H      | 1.0        | +/-30% | 100              | 6.4m          | +/-30% | 20.0             | 7.3       |
| CLF12555T- 1R5N-H      | 1.5        | +/-30% | 100              | 7.3m          | +/-30% | 16.4             | 6.7       |
| CLF12555T- 2R2N-H      | 2.2        | +/-30% | 100              | 8.8m          | +/-30% | 13.1             | 6.1       |
| CLF12555T- 3R3N-H      | 3.3        | +/-30% | 100              | 10.3m         | +/-30% | 11.4             | 5.7       |
| CLF12555T- 4R7N-H      | 4.7        | +/-30% | 100              | 11.7m         | +/-30% | 9.6              | 5.3       |
| CLF12555T- 6R8N-H      | 6.8        | +/-30% | 100              | 15.0m         | +/-30% | 8.0              | 4.7       |
| CLF12555T- 100M-H      | 10         | +/-20% | 100              | 21m           | +/-20% | 6.7              | 3.9       |
| CLF12555T- 150M-H      | 15         | +/-20% | 100              | 31m           | +/-20% | 5.4              | 3.2       |
| CLF12555T- 220M-H      | 22         | +/-20% | 100              | 43m           | +/-20% | 4.8              | 2.8       |
| CLF12555T- 330M-H      | 33         | +/-30% | 100              | 67m           | +/-30% | 4.0              | 2.2       |
| CLF12555T- 470M-H      | 47         | +/-20% | 100              | 100m          | +/-20% | 3.2              | 1.8       |
| CLF12555T- 680M-H      | 68         | +/-20% | 100              | 125m          | +/-20% | 2.6              | 1.6       |
| CLF12555T- 101M-H      | 100        | +/-20% | 100              | 190m          | +/-20% | 2.1              | 1.3       |
| CLF12555T- 151M-H      | 150        | +/-20% | 100              | 260m          | +/-20% | 1.8              | 1.1       |
| CLF12555T- 221M-H      | 220        | +/-20% | 100              | 370m          | +/-20% | 1.5              | 0.9       |
| CLF12555T- 331M-H      | 330        | +/-20% | 100              | 560m          | +/-20% | 1.2              | 0.7       |
| CLF12555T- 471M-H      | 470        | +/-20% | 100              | 795m          | +/-20% | 1.0              | 0.6       |

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.)