

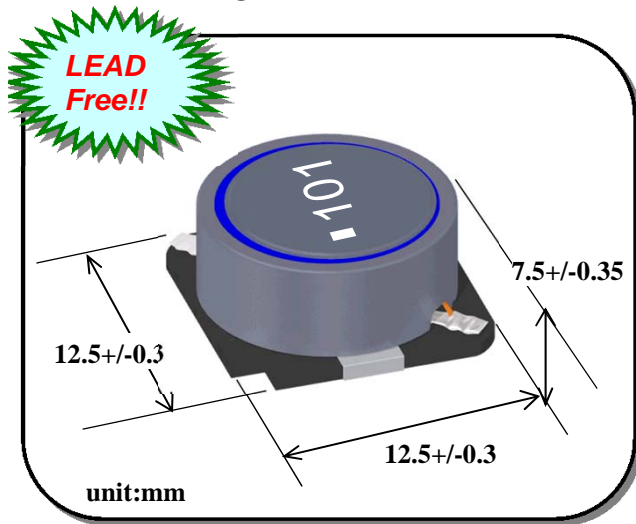


**THE DATASHEET OF
SLF12575T-220M4R0-H**



Standard Products!! SLF12575-H TYPE Automotive Target SMD Power Inductor

Component Image & Dimension



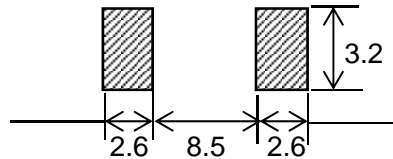
Features :

- a) Component Size :
Mount Area : 12.5mm x 12.5mm
Low Profile : 7.85mm Max. Height
- b) Generic use for Automotive Appliance.
This product guarantees operation in high temperature.
Operation temperature : -40°C ~ +125°C
(Including self-temperature rise +40°C)
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.
- e) Qualified acc. AEC-Q200.

Applications :

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

*Recommended Land Pattern (Unit : mm)



Electrical Specification

| TDK Identification | Inductance | | Test Freq. (kHz) | DC Resistance | | Rated DC Current | |
|----------------------|------------|-------------|------------------|---------------|-------------|------------------|----------------|
| | Spec. (μH) | Tol. (+/-%) | | Spec. (Ω) | Tol. (+/-%) | Idc 1 (A max.) | Idc 2 (A Typ.) |
| SLF12575T- 1R2N8R2-H | 1.2 | +/-30% | 1 | 5.1m | +/-20% | 13 | 8.2 |
| SLF12575T- 2R7N7R0-H | 2.7 | +/-30% | 1 | 7.4m | +/-20% | 10 | 7.0 |
| SLF12575T- 3R9N6R7-H | 3.9 | +/-30% | 1 | 10.4m | +/-20% | 9.0 | 6.7 |
| SLF12575T- 5R6N6R3-H | 5.6 | +/-30% | 1 | 11.6m | +/-20% | 7.8 | 6.3 |
| SLF12575T- 6R8N5R9-H | 6.8 | +/-30% | 1 | 13.1m | +/-20% | 7.2 | 5.9 |
| SLF12575T- 100M5R4-H | 10 | +/-20% | 1 | 15.6m | +/-20% | 5.5 | 5.4 |
| SLF12575T- 150M4R7-H | 15 | +/-20% | 1 | 18.4m | +/-20% | 4.7 | 5.0 |
| SLF12575T- 220M4R0-H | 22 | +/-20% | 1 | 26.3m | +/-20% | 4.0 | 4.0 |
| SLF12575T- 330M3R2-H | 33 | +/-20% | 1 | 39.5m | +/-20% | 3.2 | 3.4 |
| SLF12575T- 470M2R7-H | 47 | +/-20% | 1 | 52.8m | +/-20% | 2.7 | 3.0 |
| SLF12575T- 680M2R0-H | 68 | +/-20% | 1 | 77.8m | +/-20% | 2.0 | 2.4 |
| SLF12575T- 101M1R9-H | 100 | +/-20% | 1 | 0.125 | +/-20% | 1.9 | 1.9 |
| SLF12575T- 151M1R5-H | 150 | +/-20% | 1 | 0.175 | +/-20% | 1.5 | 1.6 |
| SLF12575T- 221M1R3-H | 220 | +/-20% | 1 | 0.258 | +/-20% | 1.3 | 1.3 |
| SLF12575T- 331M1R0-H | 330 | +/-20% | 1 | 0.34 | +/-20% | 1.0 | 1.1 |
| SLF12575T- 471MR80-H | 470 | +/-20% | 1 | 0.60 | +/-20% | 0.8 | 0.8 |

Note) Idc 1 : Depend on the Inductance Saturation. (-10% Saturation from Initial L Value)
Idc 2 : Depend on the self temperature rise. (+40°C typ.)

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- ⊖ [View SLF12575T-220M4R0-H on WIN SOURCE](#)
- ⊖ [TDK Corporation](#) Information

Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management