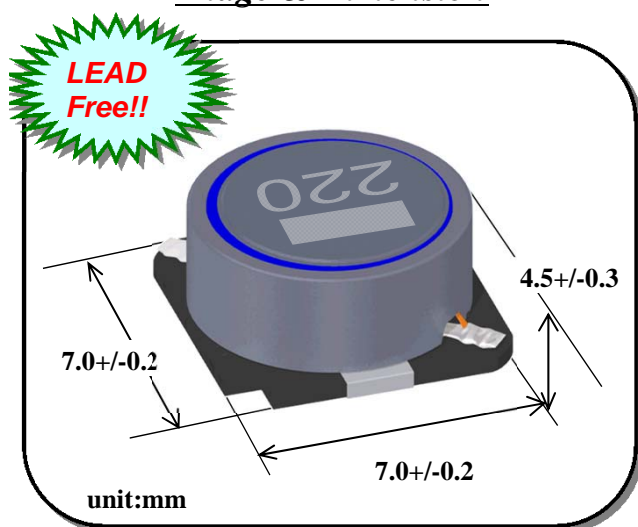




**THE DATASHEET OF  
SLF7045T-6R8M1R9-H**



## Component Image & Dimension



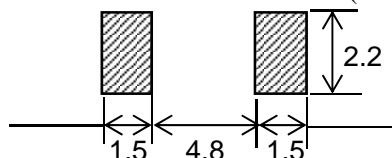
## Features :

- a) Component Size :  
Mount Area : 7.0mm x 7.0mm  
Low Profile : 4.8mm 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 +20°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. | DC Resistance |        | Rated DC Current |          |
|---------------------|------------|--------|------------|---------------|--------|------------------|----------|
|                     | Spec.      | Tol.   |            | Spec.         | Tol.   | Idc 1            | Idc 2    |
|                     | (μH)       |        | (kHz)      | (Ω)           |        | (A max.)         | (A Typ.) |
| SLF7045T- 3R3M2R2-H | 3.3        | +/-20% | 100        | 0.028         | +/-20% | 2.2              | 2.3      |
| SLF7045T- 4R7M2R1-H | 4.7        | +/-20% | 100        | 0.031         | +/-20% | 2.1              | 2.1      |
| SLF7045T- 6R8M1R9-H | 6.8        | +/-20% | 100        | 0.039         | +/-20% | 1.9              | 2.04     |
| SLF7045T- 100M1R8-H | 10         | +/-20% | 100        | 0.047         | +/-20% | 1.8              | 1.81     |
| SLF7045T- 150M1R5-H | 15         | +/-20% | 100        | 0.068         | +/-20% | 1.5              | 1.46     |
| SLF7045T- 220M1R3-H | 22         | +/-20% | 100        | 0.082         | +/-20% | 1.3              | 1.25     |
| SLF7045T- 330M1R1-H | 33         | +/-20% | 100        | 0.12          | +/-20% | 1.1              | 1.11     |
| SLF7045T- 470MR90-H | 47         | +/-20% | 100        | 0.18          | +/-20% | 0.9              | 0.93     |
| SLF7045T- 680MR75-H | 68         | +/-20% | 100        | 0.27          | +/-20% | 0.75             | 0.76     |
| SLF7045T- 101MR60-H | 100        | +/-20% | 100        | 0.39          | +/-20% | 0.6              | 0.61     |
| SLF7045T- 151MR50-H | 150        | +/-20% | 100        | 0.55          | +/-20% | 0.5              | 0.54     |
| SLF7045T- 221MR40-H | 220        | +/-20% | 100        | 0.83          | +/-20% | 0.4              | 0.43     |
| SLF7045T- 331MR35-H | 330        | +/-20% | 100        | 1.15          | +/-20% | 0.35             | 0.37     |
| SLF7045T- 471MR31-H | 470        | +/-20% | 100        | 1.80          | +/-20% | 0.31             | 0.31     |

Note) Idc 1 : Depend on the Inductance Saturation. (-10% Saturation from Initial L Value)  
Idc 2 : Depend on the self temperature rise. (+20°C typ.)

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View SLF7045T-6R8M1R9-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