

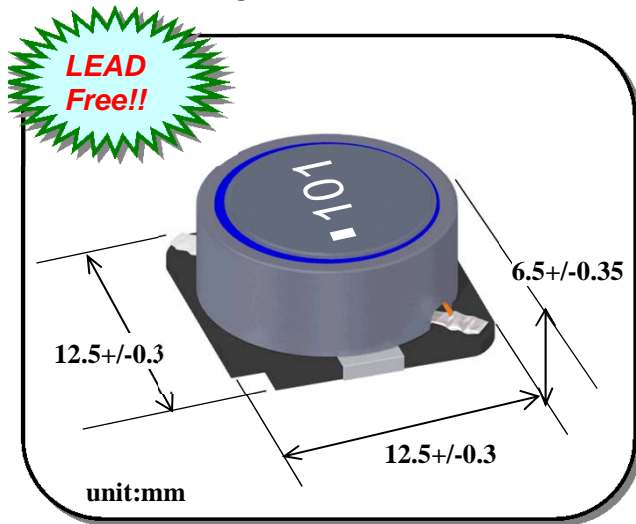


**THE DATASHEET OF  
SLF12565T-101M1R6-H**



# Standard Products!! SLF12565-H TYPE Automotive Target SMD Power Inductor

## Component Image & Dimension



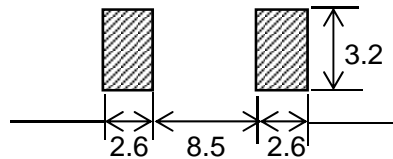
## Features :

- a) Component Size :  
Mount Area : 12.5mm x 12.5mm  
Low Profile : 6.85mm 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.)
SLF12565T- 2R0N6R2-H	2.0	+/-30%	1	8.0m	+/-20%	10.0	6.2
SLF12565T- 4R2N5R5-H	4.2	+/-30%	1	11.2m	+/-20%	7.3	5.5
SLF12565T- 7R0N5R0-H	7.0	+/-30%	1	17.7m	+/-20%	5.7	5.0
SLF12565T- 100M4R8-H	10	+/-20%	1	20.2m	+/-20%	5.0	4.8
SLF12565T- 150M4R2-H	15	+/-20%	1	23.7m	+/-20%	4.2	4.4
SLF12565T- 220M3R5-H	22	+/-20%	1	31.6m	+/-20%	3.5	3.8
SLF12565T- 330M2R8-H	33	+/-20%	1	40.6m	+/-20%	2.8	3.4
SLF12565T- 470M2R4-H	47	+/-20%	1	57.8m	+/-20%	2.4	2.8
SLF12565T- 680M2R0-H	68	+/-20%	1	78.7m	+/-20%	2.0	2.4
SLF12565T- 101M1R6-H	100	+/-20%	1	0.123	+/-20%	1.6	1.9
SLF12565T- 151M1R3-H	150	+/-20%	1	0.212	+/-20%	1.3	1.4
SLF12565T- 221M1R0-H	220	+/-20%	1	0.273	+/-20%	1.0	1.2
SLF12565T- 331MR87-H	330	+/-20%	1	0.494	+/-20%	0.87	0.95
SLF12565T- 471MR70-H	470	+/-20%	1	0.77	+/-20%	0.7	0.75
SLF12565T- 102MR45-H	1000	+/-20%	1	1.68	+/-20%	0.45	0.5
SLF12565T- 152MR37-H	1500	+/-20%	1	2.8	+/-20%	0.37	0.4

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 SLF12565T-101M1R6-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