

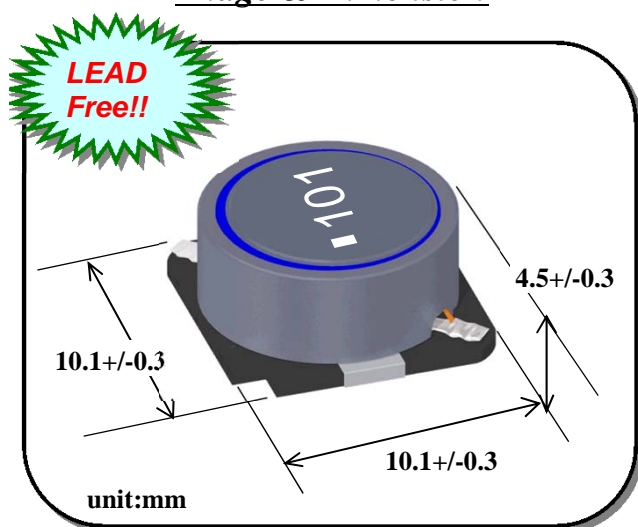


**THE DATASHEET OF  
SLF10145T-680M1R2-H**



# Standard Products!! SLF10145-H TYPE Automotive Target SMD Power Inductor

## Component Image & Dimension



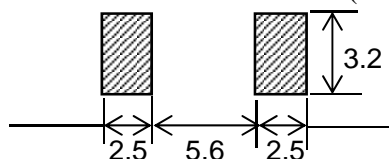
## Features :

- a) Component Size :  
Mount Area : 10.1mm x 10.1mm  
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 +30°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.)
SLF10145T- 3R3N3R7-H	3.3	+/-30%	1	16.1m	+/-20%	4.9	3.7
SLF10145T- 5R6M3R2-H	5.6	+/-20%	1	22.0m	+/-20%	3.8	3.2
SLF10145T- 100M2R5-H	10	+/-20%	1	36.4m	+/-20%	3.0	2.5
SLF10145T- 150M2R2-H	15	+/-20%	1	47.2m	+/-20%	2.4	2.2
SLF10145T- 220M1R9-H	22	+/-20%	1	59.1m	+/-20%	2.1	1.9
SLF10145T- 330M1R6-H	33	+/-20%	1	81.5m	+/-20%	1.6	1.7
SLF10145T- 470M1R4-H	47	+/-20%	1	0.10	+/-20%	1.4	1.5
SLF10145T- 680M1R2-H	68	+/-20%	1	0.14	+/-20%	1.2	1.3
SLF10145T- 101M1R0-H	100	+/-20%	1	0.20	+/-20%	1.0	1.1
SLF10145T- 151MR79-H	150	+/-20%	1	0.35	+/-20%	0.79	0.81
SLF10145T- 221MR65-H	220	+/-20%	1	0.47	+/-20%	0.65	0.70
SLF10145T- 331MR54-H	330	+/-20%	1	0.68	+/-20%	0.54	0.58
SLF10145T- 471MR47-H	470	+/-20%	1	1.03	+/-20%	0.47	0.47
SLF10145T- 681MR38-H	680	+/-20%	1	1.6	+/-20%	0.38	0.38
SLF10145T- 102MR29-H	1000	+/-20%	1	2.8	+/-20%	0.32	0.29
SLF10145T- 152MR22-H	1500	+/-20%	1	3.4	+/-20%	0.22	0.26

Note) Idc 1 : Depend on the Inductance Saturation. (-10% Saturation from Initial L Value)  
Idc 2 : Depend on the self temperature rise. (+30°C typ.)

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

Click below to explore more details on WIN SOURCE:

- ⊖ [View SLF10145T-680M1R2-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