



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

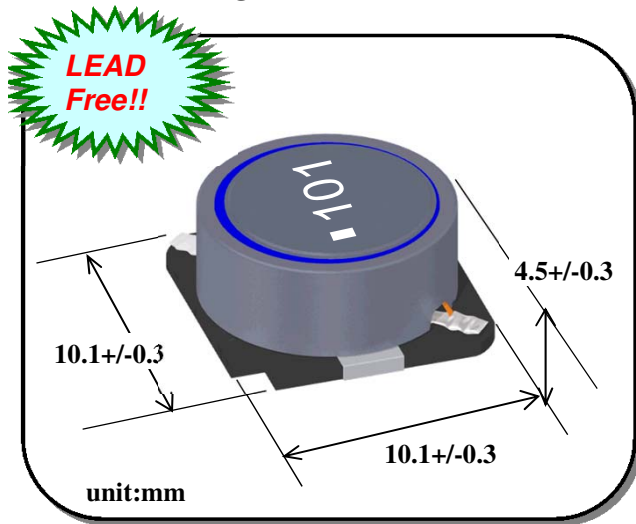
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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

## Component Image & Dimension



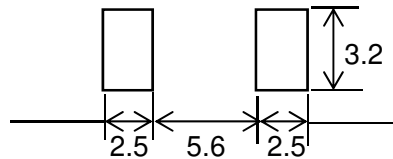
## Features :

- 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. (kHz)	DC Resistance		Rated DC Current	
		Spec. (μH)	Tol.		Spec. (Ω)	Tol.	Idc 1 (A max.)	Idc 2 (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.)