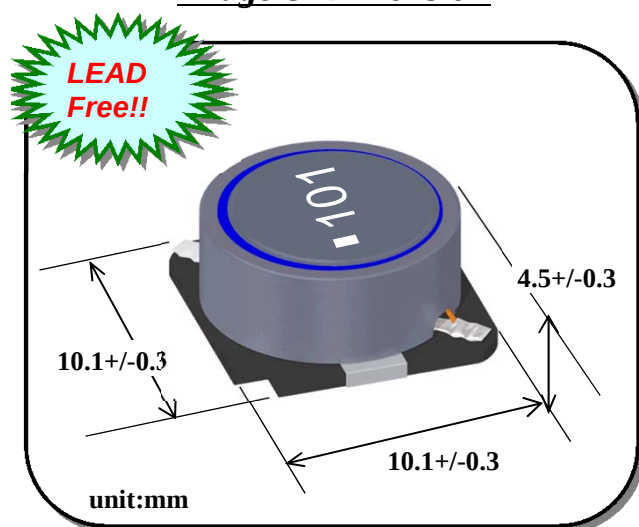


Standard Products!! SLF10145-H TYPE Automotive Target SMD Power Inductor

Component Image & Dimension



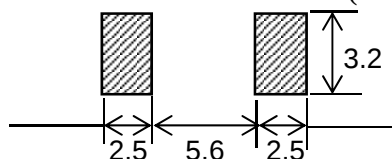
Features :

- Component Size :
Mount Area : 10.1mm x 10.1mm
Low Profile : 4.8mm Max. Height
- 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
- High Magnetic Shield Construction should actualize
High Resolution for EMC Protection.
- Automatic Mounting in Tape&Reel Package.
- 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	DC Resistance		Rated DC Current	
		Spec.	Tol.	Freq.	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.)

