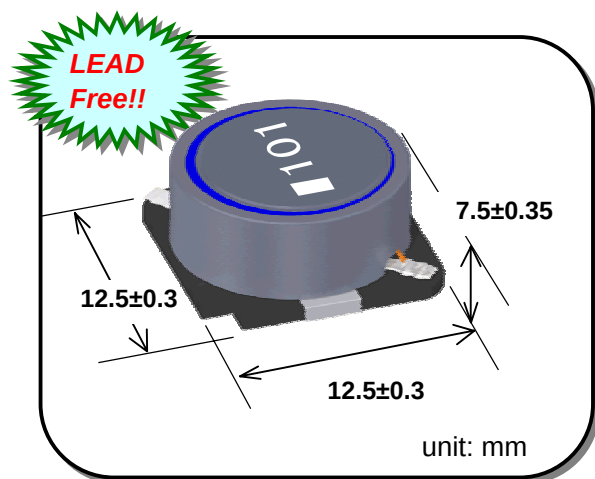


**TDK****New Products!!****SLF12575-TYPE-H****Automotive Target****SMD Power Inductor**

Component Image & Dimension



Features :

- a) Component Size :
Mount Area : 12.5mm x 12.5mm
Low Profile : 7.85mm Max. Height
- b) Generic use for Automotive Appliance.
This product guarantees operation in high temperature.
Operation temperature ; $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
(Including self-temperature rise $+40^{\circ}\text{C}$)
Storage temperature ; $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- c) High Magnetic Shield Construction should actualize
High Resolution for EMC Protection.
- d) Automatic Mounting in Tape&Reel Package.

Applications :

Automotive Appliance (ECM, HID, Air Bag, Transmission Control, Car Navigation,
Car Audio, GPS System) etc.

Electrical Specification

TDK Identification	Inductance (uH)	Tol.	Test Freq. (kHz)	DC Resistance		Rated DC Current	
				Spec. (Ohm.)	Tol.	Idc 1 (A max.)	Idc 2 (A Typ.)
SLF12575T- 1R2N8R2-H	1.2	+/-30%	1	5.1m	+/-20%	13.0	8.2
SLF12575T- 2R7N7R0-H	2.7	+/-30%	1	7.4m	+/-20%	10.0	7.0
SLF12575T- 3R9N6R7-H	3.9	+/-30%	1	10.4m	+/-20%	9.0	6.7
SLF12575T- 5R6N6R3-H	5.6	+/-30%	1	11.6m	+/-20%	7.8	6.3
SLF12575T- 6R8N5R9-H	6.8	+/-30%	1	13.1m	+/-20%	7.2	5.9
SLF12575T- 100M5R4-H	10	+/-20%	1	15.6m	+/-20%	5.5	5.4
SLF12575T- 150M4R7-H	15	+/-20%	1	18.4m	+/-20%	4.7	5.0
SLF12575T- 220M4R0-H	22	+/-20%	1	26.3m	+/-20%	4.0	4.0
SLF12575T- 330M3R2-H	33	+/-20%	1	39.5m	+/-20%	3.2	3.4
SLF12575T- 470M2R7-H	47	+/-20%	1	52.8m	+/-20%	2.7	3.0
SLF12575T- 680M2R0-H	68	+/-20%	1	77.8m	+/-20%	2.0	2.4
SLF12575T- 101M1R9-H	100	+/-20%	1	0.125	+/-20%	1.9	1.9
SLF12575T- 151M1R5-H	150	+/-20%	1	0.175	+/-20%	1.5	1.6
SLF12575T- 221M1R3-H	220	+/-20%	1	0.258	+/-20%	1.3	1.3
SLF12575T- 331M1R0-H	330	+/-20%	1	0.34	+/-20%	1.0	1.1
SLF12575T- 471MR80-H	470	+/-20%	1	0.60	+/-20%	0.8	0.8

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.)

