

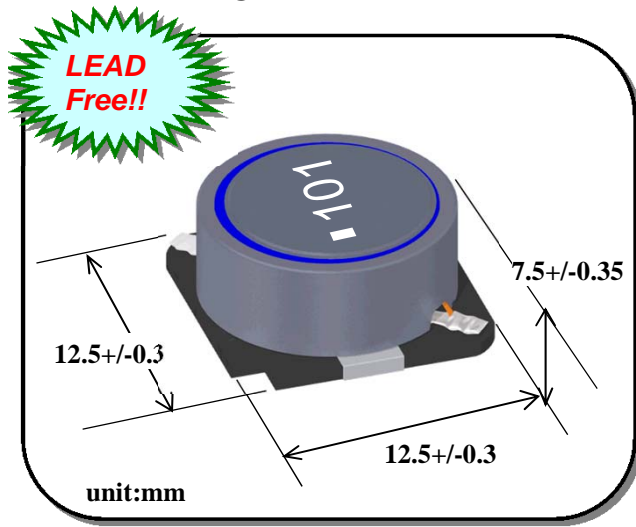


**THE DATASHEET OF
SLF12575T-680M2R0-H**



Standard Products!! SLF12575-H TYPE Automotive Target SMD Power Inductor

Component Image & Dimension



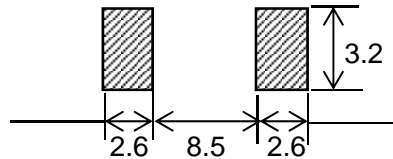
Features :

- 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°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.)
SLF12575T- 1R2N8R2-H	1.2	+/-30%	1	5.1m	+/-20%	13	8.2
SLF12575T- 2R7N7R0-H	2.7	+/-30%	1	7.4m	+/-20%	10	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.)

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- ⊖ [View SLF12575T-680M2R0-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