

CO HISTORY

	CO #	DATE	CHANGE CODES
01	1147E507290	08/25/11	a

CO CHANGE CODES

a	Release a New Component.	d	Change Part Description.	g	Other/Misc (see CO).
b	Add an Approved Source.	e	Disqualify a Source.		
c	Change Mfr's Part Number.	f	Update specification format		

OPERATIONAL SPECIFICATIONS:

The operational characteristics of this device shall be in accordance with the applicable manufacturers published specifications for the part number specified, at the effective date of this document.

COMPONENT SOURCE AND APPROVAL STATUS

MANUFACTURER	MANUFACTURERS PART NUMBER	APPROVAL STATUS (SEE NOTE-1)	NOTES/REMARKS/COMMENTS
TDK CORP.	SLF12575T-330M3R2-H	A	RoHS compliant
CENTRAL TECHNOLOGIES	CTSLF1275TF-330M	A	RoHS compliant
YAGEO	SLF1275T-330M-N	A	RoHS compliant

Note-1. Approval Status Codes:

A = APPROVED

D = DISQUALIFIED, (Not approved, do not use)

O = OBSOLETE, (Not available, discontinued by manufacturer, still approved for use)

Note-2. The Component Engineer may approve components not in the "Better Than Spec", with the Design Engineers approval.

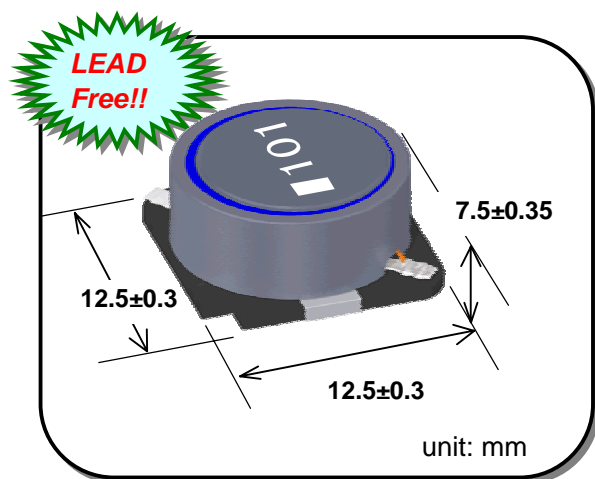
Note-3. The Design Engineer is responsible for insuring all approved sources are viable for **ALL** the next level assemblies

Note-4. Components **not recommended** for use on new design, shall have a "**NOT RECM**" at the end of the description title.

COMPONENT ENG: A. SIDOROVSKY	DATE: 08-25-11	INDUCTOR POWER SMD2 SHD 20PCT 33UH 3.2A (COMPUTER DATA BASE DESCRIPTION - 40 CHARACTERS MAXIMUM)	PART NO: 7010352	
ENGINEER: M. HOANG	DATE:		SHEET: 1 of 6	REV: 01

**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°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.

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.)