

## 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		

## 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.

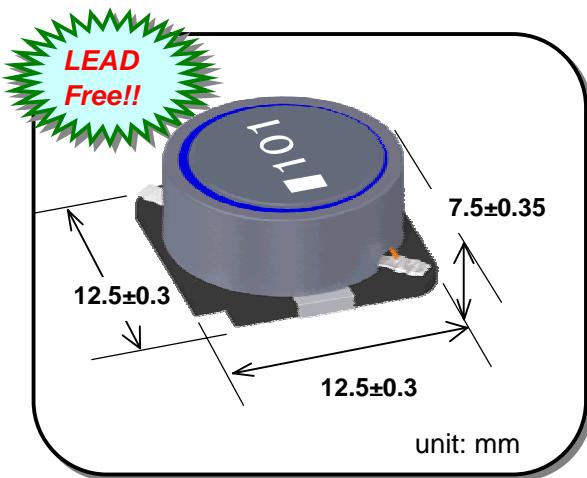
**Note-3.** The Design Engineer is responsible for insuring all approved sources are viable for ALL the next level assemblies

**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	TITLE:  <b>INDUCTOR POWER SMD2 SHD 20PCT 33UH 3.2A</b>  (COMPUTER DATA BASE DESCRIPTION - 40 CHARACTERS MAXIMUM)	PART NO:
ENGINEER: M. HOANG	DATE:		<b>7010352</b>
			SHEET: <b>1 of 6</b>
			REV: <b>01</b>

**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 Spec. (Ohm.)	Tol.	Rated DC Current Idc 1 (A max.)	Idc 2 (A Typ.)
<b>SLF12575T- 1R2N8R2-H</b>	<b>1.2</b>	<b>+/-30%</b>	<b>1</b>	<b>5.1m</b>	<b>+/-20%</b>	<b>13.0</b>	<b>8.2</b>
<b>SLF12575T- 2R7N7R0-H</b>	<b>2.7</b>	<b>+/-30%</b>	<b>1</b>	<b>7.4m</b>	<b>+/-20%</b>	<b>10.0</b>	<b>7.0</b>
<b>SLF12575T- 3R9N6R7-H</b>	<b>3.9</b>	<b>+/-30%</b>	<b>1</b>	<b>10.4m</b>	<b>+/-20%</b>	<b>9.0</b>	<b>6.7</b>
<b>SLF12575T- 5R6N6R3-H</b>	<b>5.6</b>	<b>+/-30%</b>	<b>1</b>	<b>11.6m</b>	<b>+/-20%</b>	<b>7.8</b>	<b>6.3</b>
<b>SLF12575T- 6R8N5R9-H</b>	<b>6.8</b>	<b>+/-30%</b>	<b>1</b>	<b>13.1m</b>	<b>+/-20%</b>	<b>7.2</b>	<b>5.9</b>
<b>SLF12575T- 100M5R4-H</b>	<b>10</b>	<b>+/-20%</b>	<b>1</b>	<b>15.6m</b>	<b>+/-20%</b>	<b>5.5</b>	<b>5.4</b>
<b>SLF12575T- 150M4R7-H</b>	<b>15</b>	<b>+/-20%</b>	<b>1</b>	<b>18.4m</b>	<b>+/-20%</b>	<b>4.7</b>	<b>5.0</b>
<b>SLF12575T- 220M4R0-H</b>	<b>22</b>	<b>+/-20%</b>	<b>1</b>	<b>26.3m</b>	<b>+/-20%</b>	<b>4.0</b>	<b>4.0</b>
<b>SLF12575T- 330M3R2-H</b>	<b>33</b>	<b>+/-20%</b>	<b>1</b>	<b>39.5m</b>	<b>+/-20%</b>	<b>3.2</b>	<b>3.4</b>
<b>SLF12575T- 470M2R7-H</b>	<b>47</b>	<b>+/-20%</b>	<b>1</b>	<b>52.8m</b>	<b>+/-20%</b>	<b>2.7</b>	<b>3.0</b>
<b>SLF12575T- 680M2R0-H</b>	<b>68</b>	<b>+/-20%</b>	<b>1</b>	<b>77.8m</b>	<b>+/-20%</b>	<b>2.0</b>	<b>2.4</b>
<b>SLF12575T- 101M1R9-H</b>	<b>100</b>	<b>+/-20%</b>	<b>1</b>	<b>0.125</b>	<b>+/-20%</b>	<b>1.9</b>	<b>1.9</b>
<b>SLF12575T- 151M1R5-H</b>	<b>150</b>	<b>+/-20%</b>	<b>1</b>	<b>0.175</b>	<b>+/-20%</b>	<b>1.5</b>	<b>1.6</b>
<b>SLF12575T- 221M1R3-H</b>	<b>220</b>	<b>+/-20%</b>	<b>1</b>	<b>0.258</b>	<b>+/-20%</b>	<b>1.3</b>	<b>1.3</b>
<b>SLF12575T- 331M1R0-H</b>	<b>330</b>	<b>+/-20%</b>	<b>1</b>	<b>0.34</b>	<b>+/-20%</b>	<b>1.0</b>	<b>1.1</b>
<b>SLF12575T- 471M1R80-H</b>	<b>470</b>	<b>+/-20%</b>	<b>1</b>	<b>0.60</b>	<b>+/-20%</b>	<b>0.8</b>	<b>0.8</b>

*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.)