

Data Sheet

SMI-1324-TW-12V-R

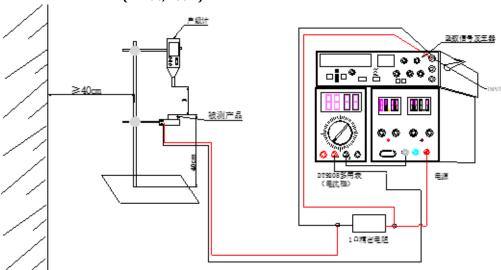
Features:

- 12Vdc Electro-Mechanical SMD Indicator
- 2400Hz Resonant Frequency
- Reflow and Wash Allowed

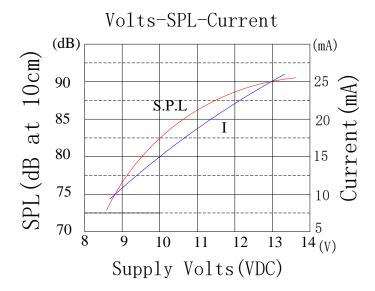
Specifications

Parameters	Values	Units	
Rated Voltage	12	VDC	
Operating Voltage Range	8 - 15	VDC	
Current Draw at Rated Voltage	30	mA dBA Hz	
Minimum SPL @ 10cm	85		
Resonant Frequency	2400 ± 300		
Tone or Pulse Rate	Continuous Tone	-	
Housing Material	PA46	-	
Terminal Material	Sn plated Brass	-	
Weight	5	Grams	
Acceptable Soldering Methods	Hand Solder, Reflow Solder	See following pages for soldering information	
Environmental Compliances	ROHS/REACH	-	
Moisture Sensitivity Level (MSL)	Level 2	-	
Storage Temperature	-40 to 85	°C	
Operating Temperature	-40 to 85	°C	

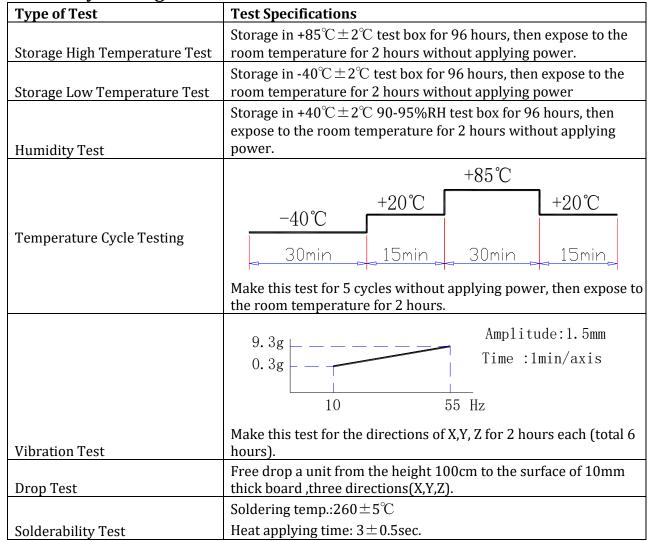
Measurement Method (12Vdc, 10cm)



SPL vs Voltage Curve

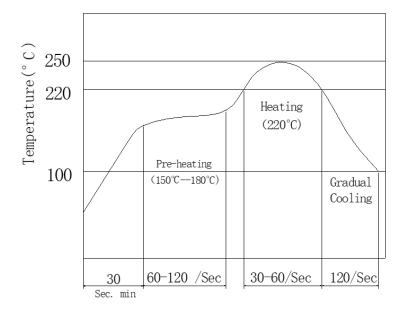


Reliability Testing



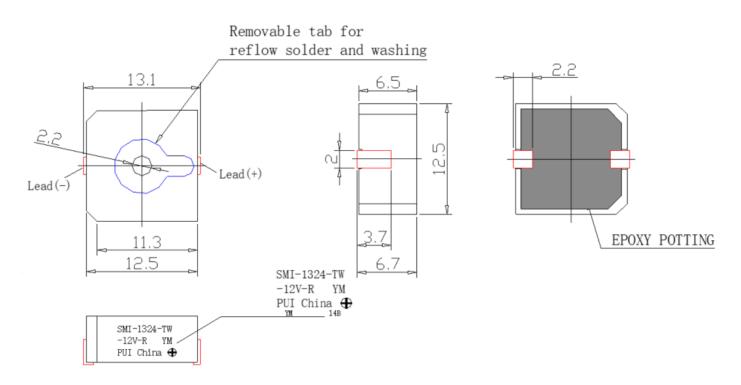
After tests, SPL shall be within ± 5dB

Recommended Reflow Profile



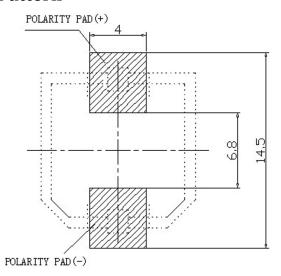
*Manual Solder - Iron Temp 360C, Solder Time 3 seconds or less.

Dimensions



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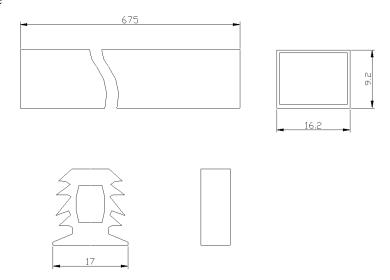
Recommended Land Pattern



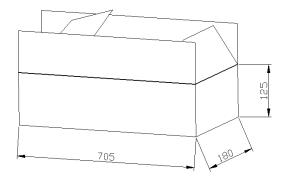
SMD REFLOW PATTERN

Packaging

50pcs per stick tube



5k pcs master carton



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Specifications Revisions

Revision	Description	Date	Approved
-	Released from Engineering	10/13/2004	-
A	Updated Housing Material	04/19/2005	RW
В	Added ROHS Compliance	08/10/2005	-
С	Added Note 4	11/02/2005	BR
D	Revised Terminal Material	03/20/2006	BR
Е	Revised to Inventor 3D Template	05/28/2010	BR
F	Revised Storage Temperature	02/27/2020	MV
G	Update Spec Format, Add details for Reliability, Packaging, Reflow etc., Revised Operating Temperature	08/02/2024	ML

Note:

- 1. Unless otherwise specified:
 - A. All dimensions are in millimeters.
 - B. Default tolerances are ± 0.5 mm and angles are $\pm 3^{\circ}$.
- 2. Specifications subject to change or withdrawal without notice.
- 3. This part is ROHS 2015/863/EU compliant.
- 4. Max reflow temperature is 260C for 10 seconds or less.