



Data Sheet AI-2429-TWT-R

Features:

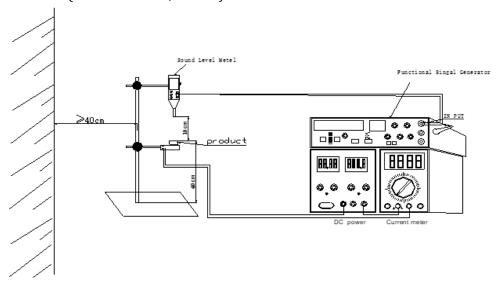
- Piezo Indicator
- 12VDC rated, 2900Hz
- Thru-Hole Top-Firing Type
- Wave Solder Allowed, Washing NOT allowed

Specifications

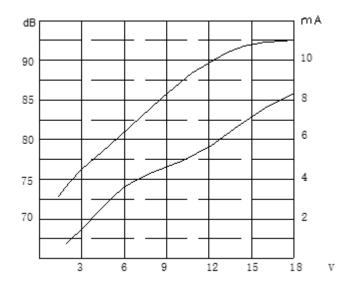
Parameters	Values	Units	
Rated Voltage	12	VDC	
Operating Voltage Range	3 ~ 20	VDC	
Current Draw at Rated Voltage	10(Max.)	mA	
Minimum SPL @ 10cm	100	dBA	
Resonant Frequency	2,900 ± 500	Hz	
Tone or Pulse Rate	Continuous	-	
Housing Material	ABS777	-	
Terminal Material	Sn Plated Red Copper(DSn)	-	
Weight	6	Grams	
Acceptable Soldering Methods	Hand Solder, Wave Solder		
Environmental Compliances	RoHS/REACH	Ex. 7c-1	
Storage Temperature	-30 ∼ +70	°C	
Operating Temperature	-20 ~ +60	°C	

Measurement Method (Temperature: 25±3°C; Relative Humidity: 60% ~ 70%)

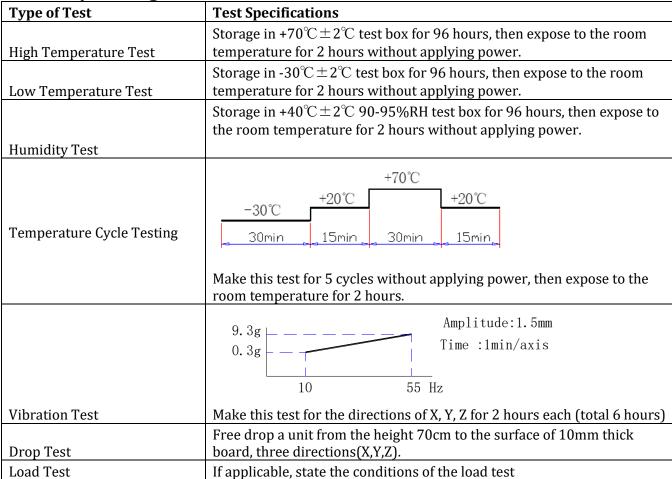
Standard Test Fixture (Distance: 10cm, 12VDC)



Typical SPL vs Input Voltage

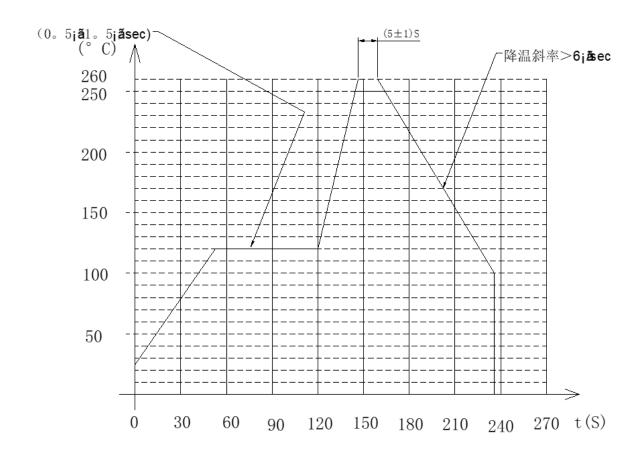


Reliability Testing

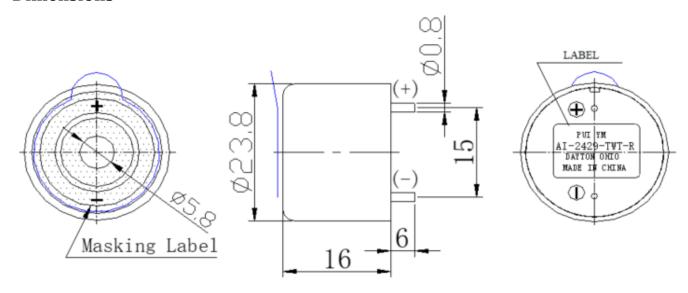


Part shall pass tests within SPL of ±5dB.

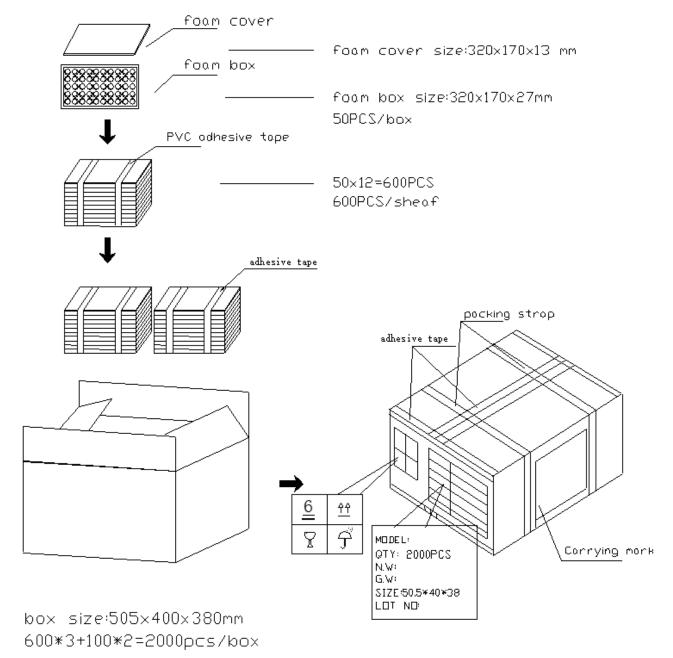
Recommended Wave Solder Process



Dimensions



Packaging



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Specifications Revisions

Revision	Description	Date	Approved
-	RELEASED FROM ENGINEERING	8/19/2004	1
A	REMOVED LEAD FREE ADDED RoHS	8/10/2005	-
В	REVISED TO INVENTOR 3D DRAWING TEMPLATE	01/28/2008	BR
С	REVISED TERMINAL MATERIAL	02/07/2011	ML
D	Update Spec Format, Add details for Reliability, Packaging, etc., Revised Temperature Ranges, Revised Rated Current	07/08/2024	ML

Note:

- 1. Unless otherwise specified:
 - A. All dimensions are in millimeters.
 - B. Default tolerances are ± 0.5 mm and angles are $\pm 3^{\circ}$.
- $2. \quad \text{Specifications subject to change or with drawal without notice.} \\$