



Data Sheet AI-2429-TWT-3P-R

Features:

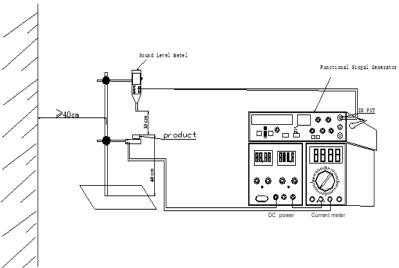
- Piezo Indicator
- 12VDC rated, 2900Hz
- Top-Firing Thru-Hole Type
- Wave Solder and Wash Allowed

Specifications

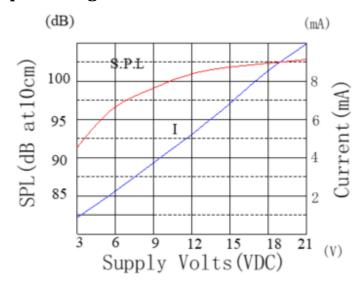
Parameters	Values	Units
Rated Voltage	12	VDC
Operating Voltage Range	3 ~ 24	VDC
Current Draw at Rated Voltage	7	mA
Minimum SPL @ 10cm	90	dBA
Resonant Frequency	2,900 ± 500	Hz
Tone or Pulse Rate	Continuous	-
Housing Material	ABS777	-
Terminal Material	Sn Plated Copper(DSn)	-
Weight	6	Grams
Acceptable Soldering Methods	Hand Solder, Wave Solder	-
Environmental Compliances	RoHS/REACH	Ex. 7c-1
Storage Temperature	-20 ~ +70	°C
Operating Temperature	-20 ~ +60	°C

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

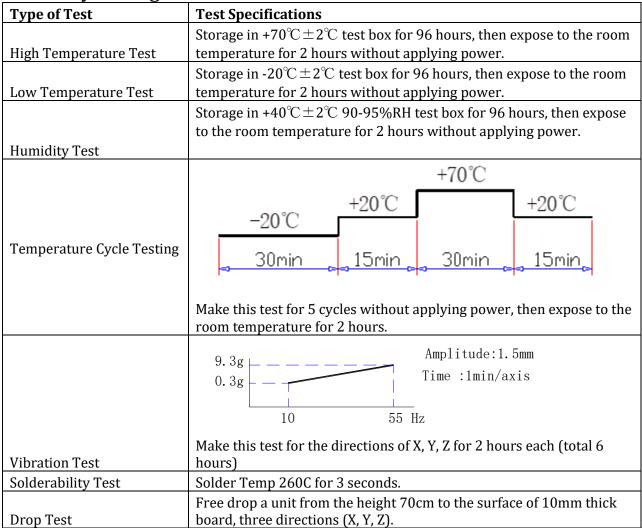
Standard Test Fixture (Distance: 10cm, 12VDC)



Typical SPL vs Input Voltage

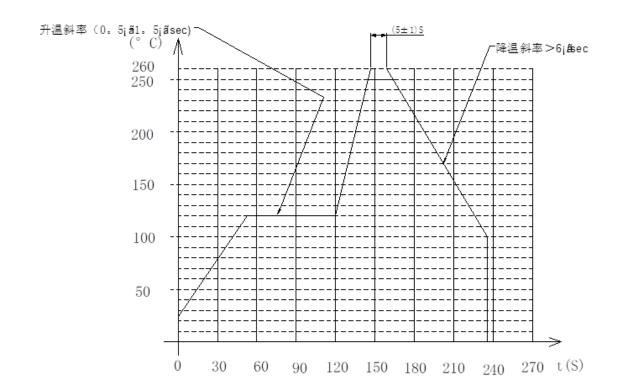


Reliability Testing

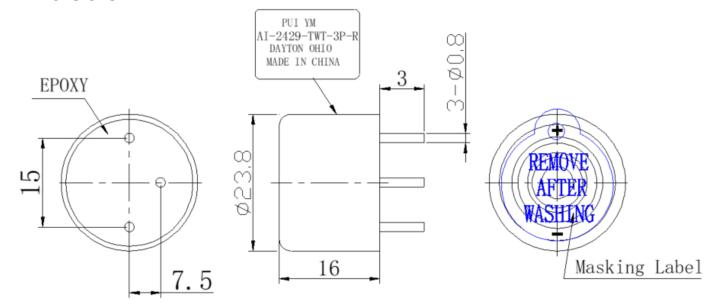


Part shall pass tests within SPL of ±5dB.

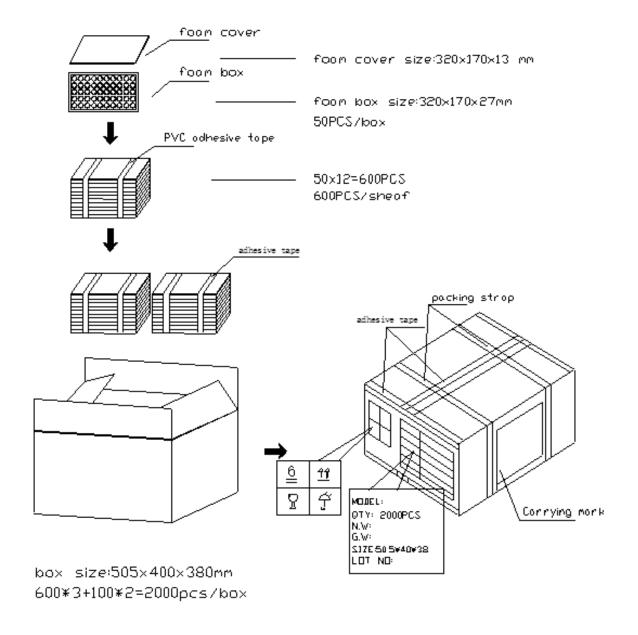
Recommended Wave Solder Profile



Dimensions



Packaging



Specifications Revisions

Revision	Description	Date	Approved
-	RELEASED FROM ENGINEERING	08/09/2006	-
Α	REVISED TO INVENTOR 3D DRAWING TEMPLATE	01/28/2008	BR
В	Update Spec Format, Add Details for Reliability, Packaging, Etc.	07/23/2024	ML

Note:

- 1. Unless otherwise specified:
 - A. All dimensions are in millimeters.
 - B. Default tolerances are ±0.5mm and angles are ±3°.
- 2. Specifications subject to change or withdrawal without notice.