



**Data Sheet** 

AI-2429-TWT-12V-3-R

#### **Features:**

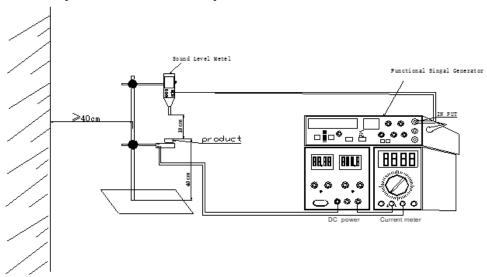
- Piezo Indicator
- 12VDC rated, 2900Hz
- Top-Firing Thru-Hole Type
- Wave Solder and Wash Allowed

### **Specifications**

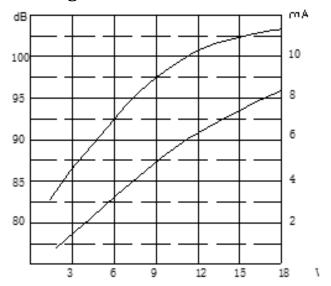
Parameters	Values	Units
Rated Voltage	12	VDC
Operating Voltage Range	3 ~ 20	VDC
Current Draw at Rated Voltage	8(Max.)	mA
Minimum SPL @ 10cm	95	dBA
Resonant Frequency	2,900 ± 500	Hz
Tone or Pulse Rate	Continuous	-
Housing Material	ABS777	-
Terminal Material	Sn Plated Copper(DSn)	-
Weight	6	Grams
Acceptable Soldering Methods	Hand Solder, Wave Solder	-
Environmental Compliances	RoHS/REACH	Ex. 7c-1
Storage Temperature	-40 ~ +80	°C
Operating Temperature	-20 ~ +70	°C

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

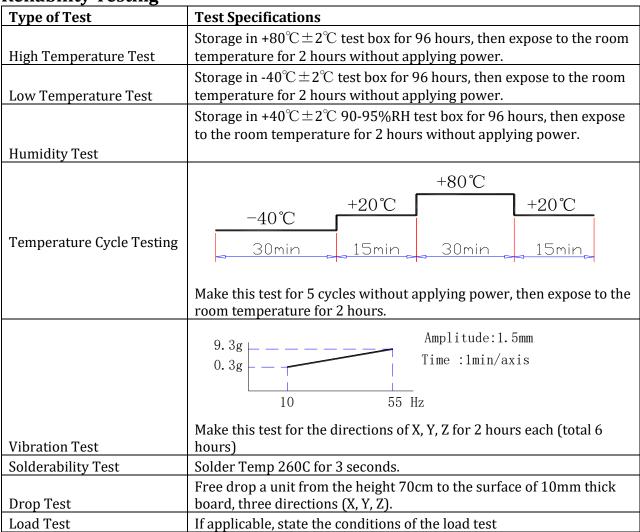
Standard Test Fixture (Distance: 10cm, 12VDC)



### **Typical SPL vs Input Voltage**

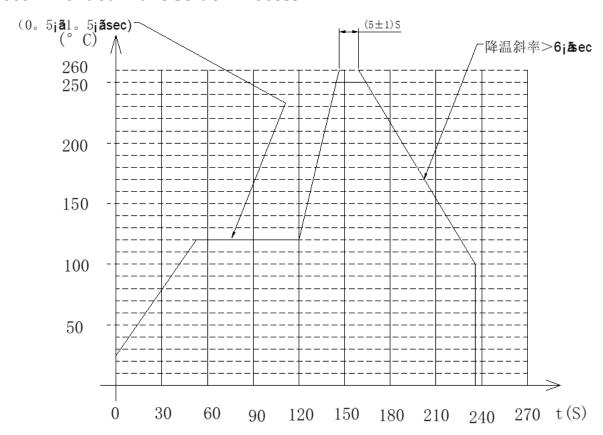


**Reliability Testing** 

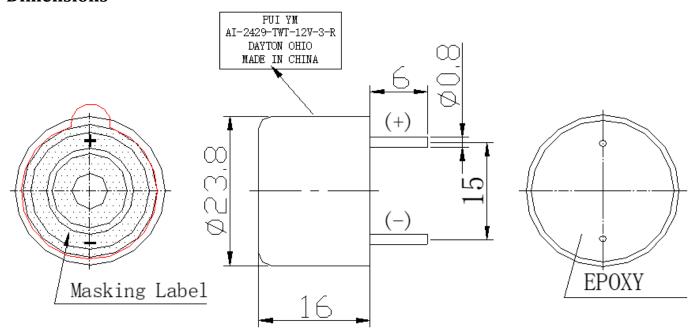


Part shall pass tests within SPL of ±5dB.

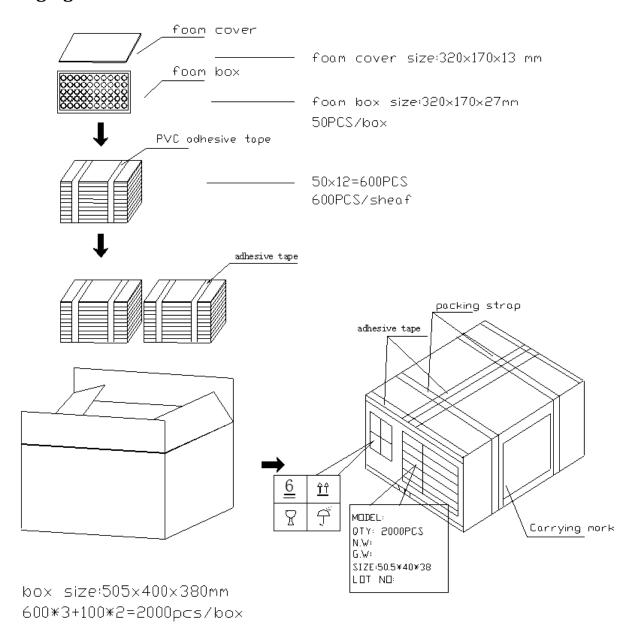
# **Recommended Wave Solder Process**



# **Dimensions**



# **Packaging**



**Specifications Revisions** 

Revision	Description	Date	Approved
-	RELEASED FROM ENGINEERING	03/21/2006	-
A	REVISED TONE/PULSE RATE	01/29/2007	RW
В	REVISED TO 3D DRAWING TEMPLATE	01/18/2008	BR
С	REVISED ROHS AND ADDED WAVE SOLDER NOTE	01/25/2019	ML
D	Update Spec Format, Add detail for Reliability, Packaging, etc., Revise Housing Material,	07/08/2024	ML
	Revise Storage Temperature Range		

#### Note:

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