



Data Sheet AT-2429-TWT-R

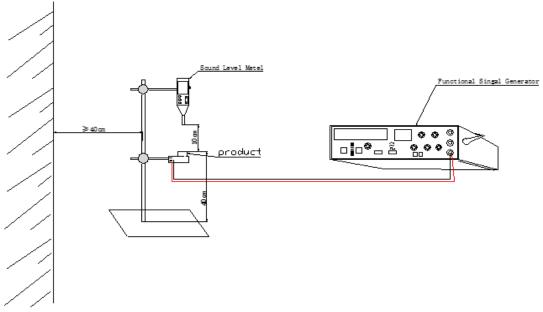
#### **Features:**

- Piezo Transducer
- 12Vp-p rated, 2900Hz
- · Wash Solder and Washing Allowed

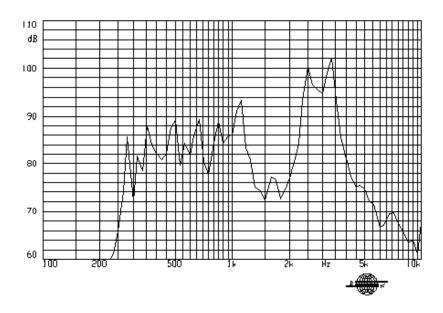
**Specifications** 

Parameters	Values	Units	
Rated Voltage	12	Vp-p	
Operating Voltage Range	2 ~ 30	Vp-p	
Current Draw at Rated Voltage	8(Max.)	mA	
Capacitance at 120Hz	70,000 ± 30%	pF	
Minimum SPL @ 10cm	90	dBA	
Resonant Frequency	2,900 ± 500	Hz	
Housing Material	PPS	-	
Terminal Material	Sn Plated Red Copper	-	
Weight	5	Grams	
Acceptable Soldering Methods	Hand Solder	-	
Environmental Compliances	ROHS/REACH	Exemption 7c-1	
Storage Temperature	-40 ~ +105	°C	
Operating Temperature	-30 ~ +105	°C	

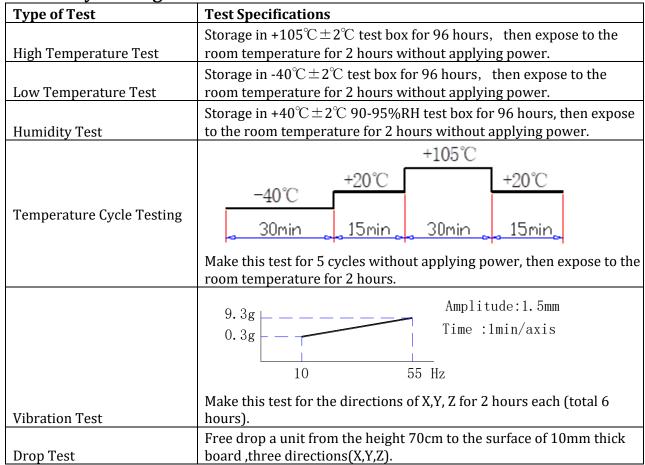
### Measurement Method (3Vp-p, 2900Hz square wave)



## Typical Frequency Response (12Vp-p square wave, distance=10cm)

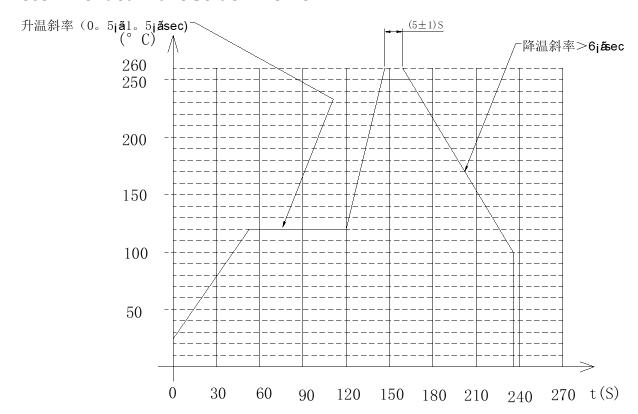


**Reliability Testing** 

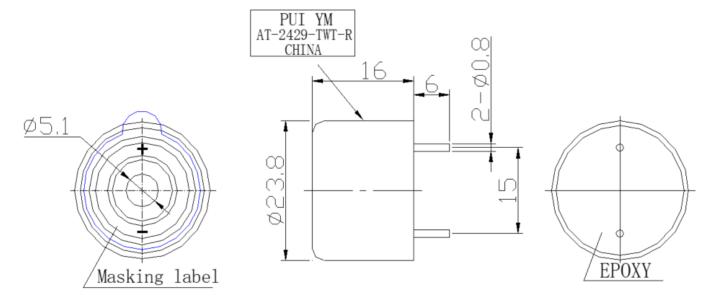


After tests, parts shall test SPL within ±5dB.

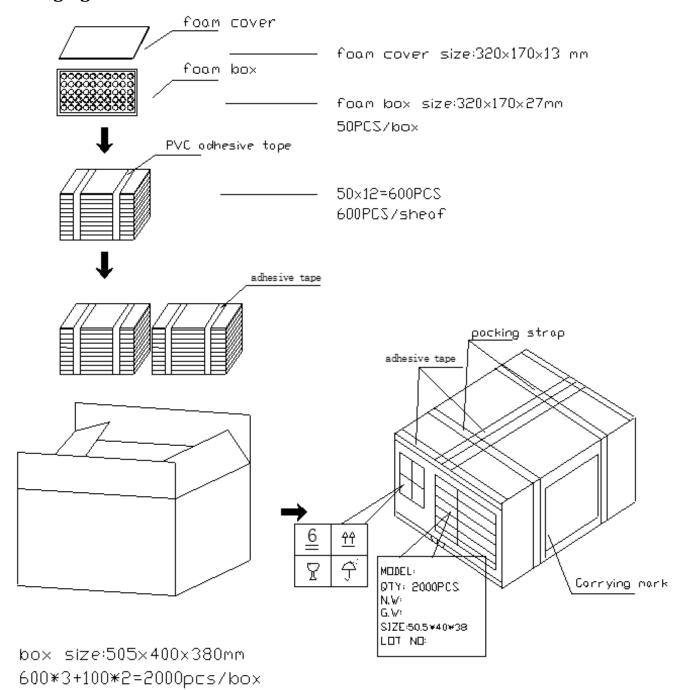
### **Recommended Wave Solder Profile**



#### **Dimensions**



# **Packaging**



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**Specification Revisions** 

Revision	Description	Date	Approved
-	RELEASED FROM ENGINEERING	02/22/2006	-
Α	REVISED TEMPERATURE RANGES	05/28/2006	BR
В	REVISED TEMPERATURE RANGES	06/24/2008	BR
С	REVISED TO INVENTOR 3D DRAWING TEMPLATE	09/30/2008	BR
D	REVISED CAPACITANCE	07/23/2018	MV
E	REVISED TEMPERATURE SPECIFICATIONS	02/28/2020	MV
F	Update Spec Format, Add Details for Reliability, Packaging, Etc.	10/14/2024	ML

#### 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.