

**Data Sheet** **AI-1440-TWT-24V-3-R**

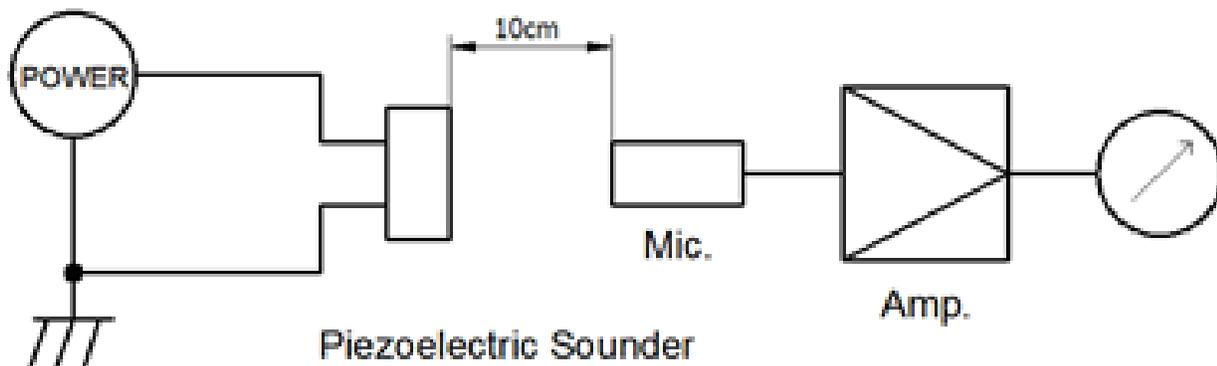
**Features:**

- Continuous tone of 4 kHz
- 88 dB output with 24 VDC
- Washable design with removable wash tab

**Specifications**

Parameters	Values	Units
Rated Voltage	24	VDC
Operating Voltage Range	5 ~ 28	VDC
Current Draw at Rated Voltage	≤20	mA
Minimum SPL @ 10cm	≥88	dBA
Resonant Frequency	4000±500	Hz
Tone or Pulse Rate	Continuous	-
Housing Material	PPO	-
Weight	0.96	Grams
Acceptable Soldering Methods	Hand Solder	-
Environmental Compliances	RoHS	-
Storage Temperature	-30 ~ +80	°C
Operating Temperature	-20 ~ +70	°C

**Measurement Method** (24 VDC with SPL meter at 10cm)



**MIC:** ND10 Sound Meter or equivalent

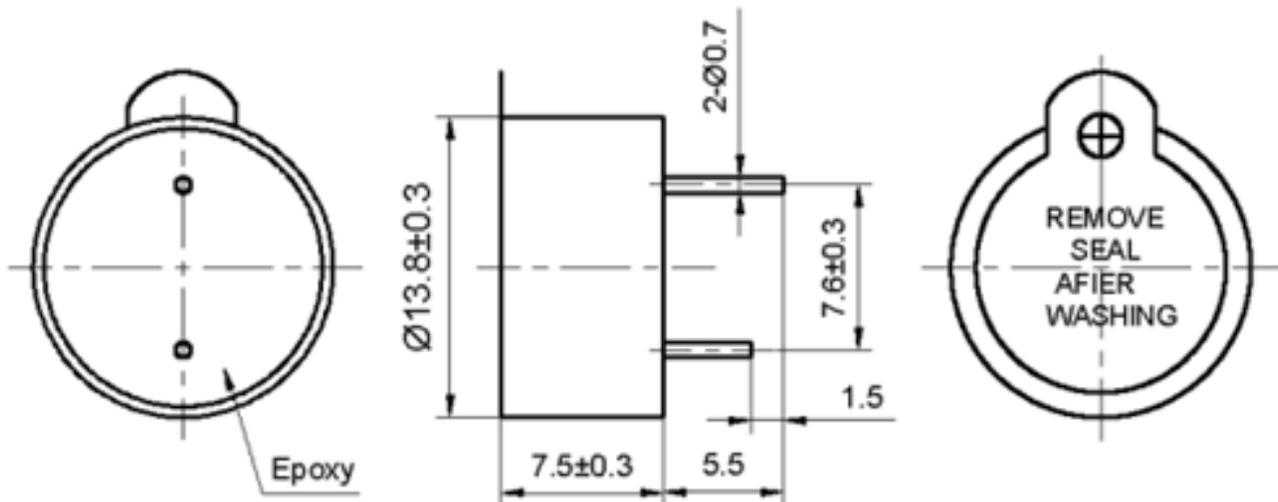
**DC Power Supply:** QJ6003S or equivalent

## Reliability Testing

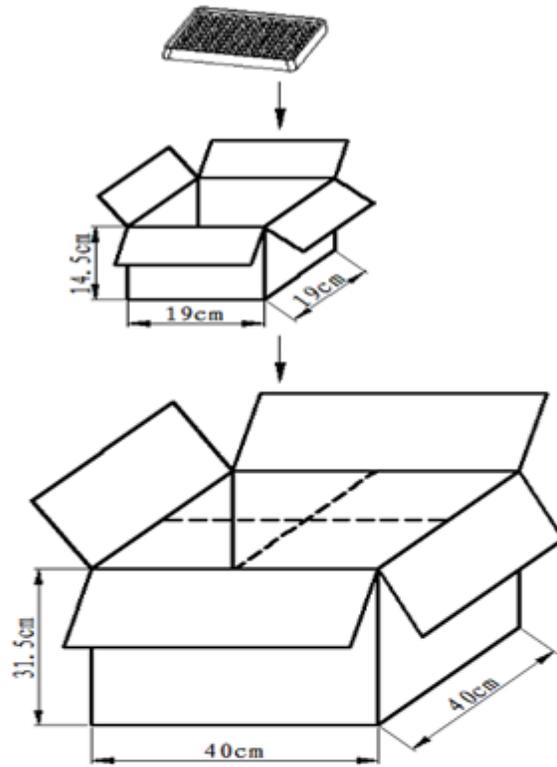
Type of Test	Test Specifications
High Temperature Test	+90±2°C, 96Hrs
Low Temperature Test	-40±2°C, 96Hrs
Humidity Test	40±2°C, 93 (+2/-3) % RH for 96 Hours
Temperature Cycle Testing	-40±2°C, 30minutes +20±2°C, 15 minutes +90±2°C, 30 minutes +20±2°C, 15 minutes 5 cycles
Vibration Test	10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hrs.
Drop Test	The part shall be dropped from a height of 70cm onto a 10mm thick wooden board; 3 times in 3 axial directions (x, y & z) (a total of 9 times).

After being placed at room temp for 2 to 4hrs, the product shall meet specifications, except the SPL should be within ±10dB compared with initial value.

## Dimensions (Tolerance: ±0.5mm)



## Packaging



### NOTES:

1. 100 PCS per box
2. 10 boxes per inner carton
3. 1000pcs per inner carton
4. Inner carton volume:  $19 \times 19 \times 14.5\text{cm}$
5. 8 pcs inner cartons per carton
6. Total 8000 PCS carton
7. Volume:  $40 \times 40 \times 31.5\text{cm}$

**Specifications Revisions**

<b>Revision</b>	<b>Description</b>	<b>Date</b>
-	Released from Engineering	4/2/20

Note:

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