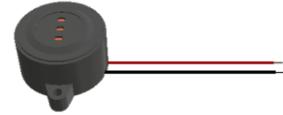




PUI audio



Data Sheet

AI-5025-TF-LW100-R

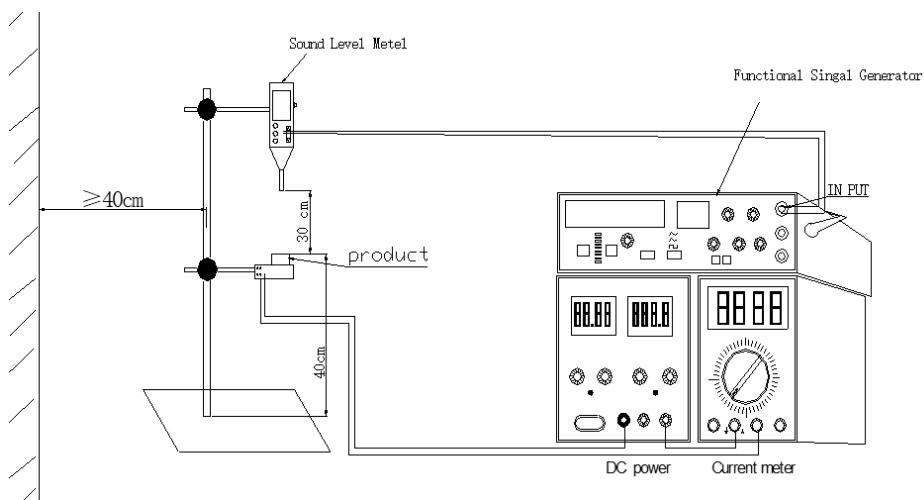
Features:

- High-Output Piezo Indicator
- 15VDC rated, 2500Hz
- Top-Firing Flange Type

Specifications

| Parameters | Values | Units |
|-------------------------------|-------------|--------------|
| Rated Voltage | 15 | VDC |
| Operating Voltage Range | 8 ~ 16 | VDC |
| Current Draw at Rated Voltage | 75(max.) | mA |
| Minimum SPL @ 30cm | 105 | dBA |
| Resonant Frequency | 2,500 ± 500 | Hz |
| Tone or Pulse Rate | Continuous | - |
| Housing Material | ABS | - |
| Terminal Material | Lead Wire | UL1007 AWG22 |
| Weight | 40 | Grams |
| Acceptable Soldering Methods | Hand Solder | - |
| Environmental Compliances | RoHS/REACH | 7c-1 |
| Storage Temperature | -30 ~ +70 | °C |
| Operating Temperature | -20 ~ +60 | °C |

Measurement Method (15Vdc, 30cm)

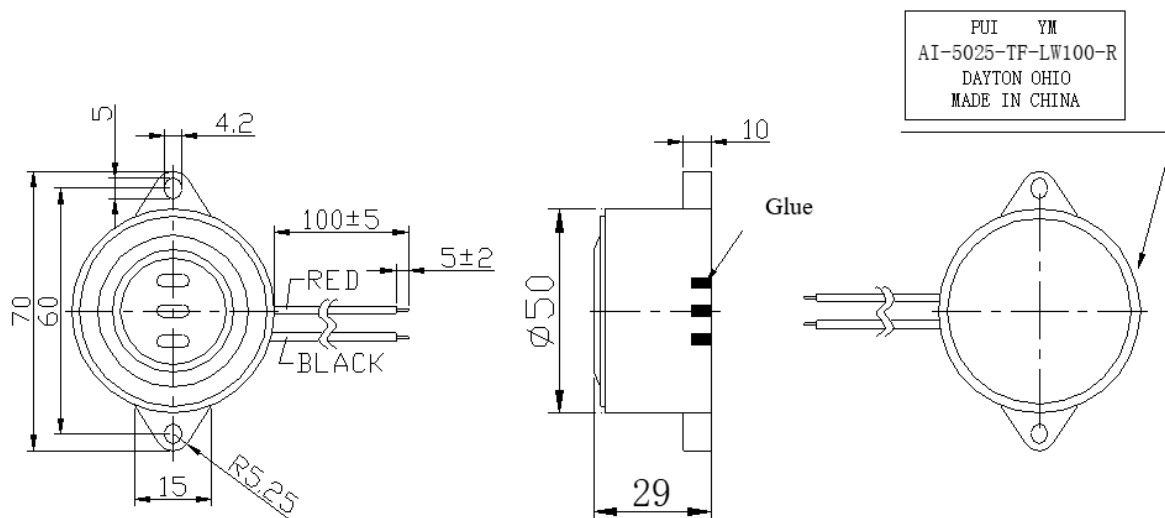


Reliability Testing

| Type of Test | Test Specifications |
|---------------------------|--|
| High Temperature Test | 96 hours at 70°C. After test, set at room temperature for 2 hours before retesting. |
| Low Temperature Test | 96 hours at -30°C. After test, set at room temperature for 2 hours before retesting. |
| Humidity Test | 96 hours at 40°C with relative humidity at 90-95%. After test, set at room temperature for 2 hours before retesting. |
| Temperature Cycle Testing | <p>Test 5 cycles without power, then expose part at room temperature for 2 hours before testing.</p> |
| Vibration Test | <p>Complete this test in XYZ direction for 2 hours each direction.</p> |
| Drop Test | Free drop from height of 70cm onto 10mm thick board in XYZ directions. |

After each tests, the change in SPL shall be within $\pm 3\text{dB}$.

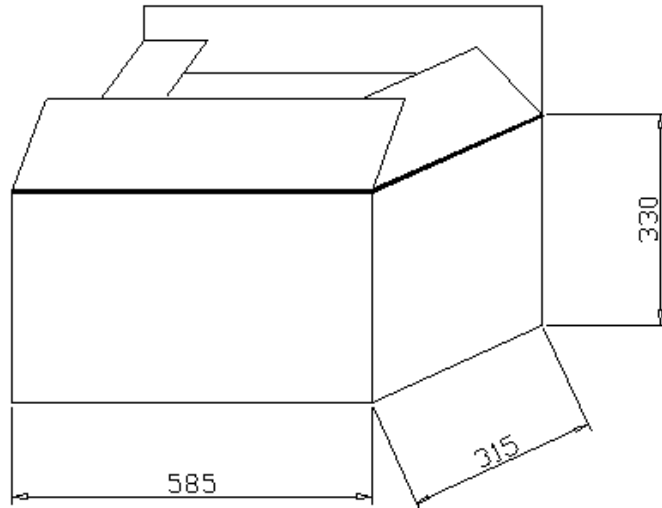
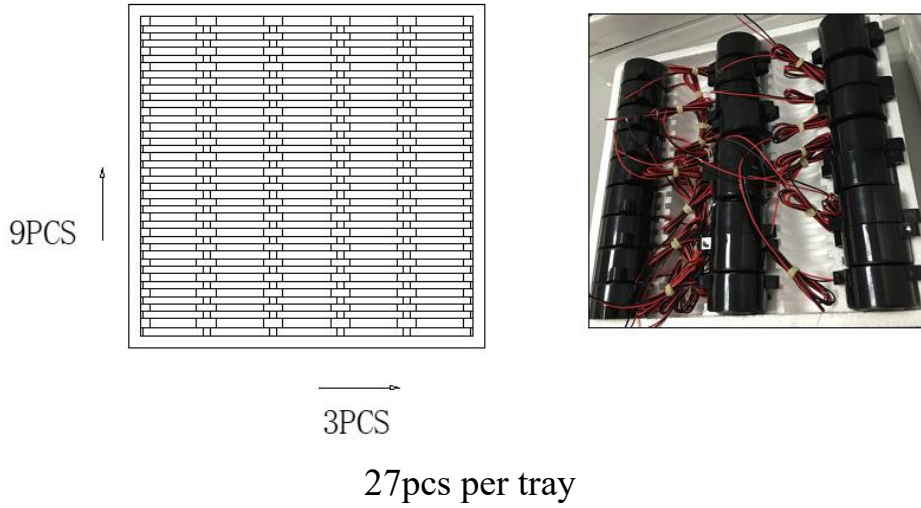
Dimensions



Lead wire UL1007 AWG22

***Wave solder and wash not allowed.**

Packaging



8 trays per Carton = 216pcs

Specifications Revisions

| Revision | Description | Date | Approved |
|----------|--|------------|----------|
| A | RELEASED FROM ENGINEERING | 03/6/2020 | - |
| B | Update Specification Format, Added Lead Wire Type/Size | 05/14/2024 | M.L. |

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.