



PUI audio



Data Sheet

AT-1620-TWT-5-R

Features:

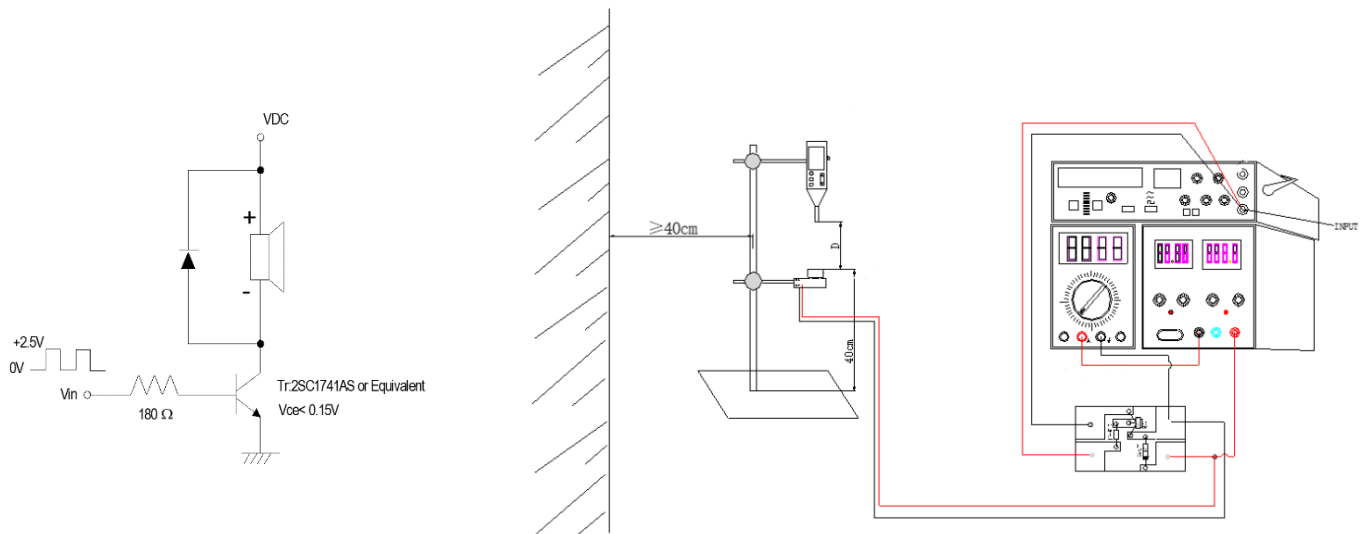
- 6 V0-pk, 2048 Hz Magnetic Transducer
- Pin Type
- Wave Solder and Washing Allowed

Specifications

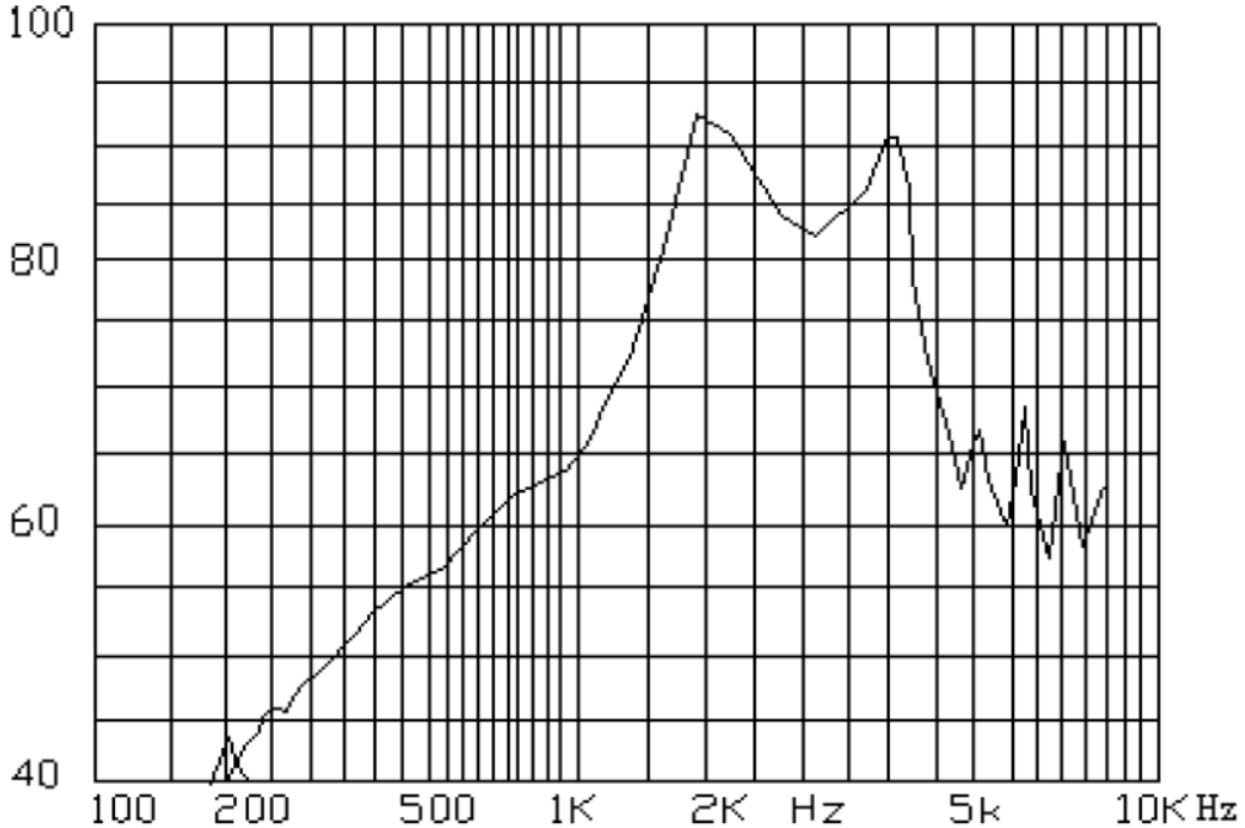
Parameters	Values	Units
Rated Voltage	6	V0-p
Operating Voltage Range	3 ~ 12	V0-p
Current Draw at Rated Voltage	50(Max.)	mA
Coil Resistance	50 ± 5	Ohms
Minimum SPL @ 10cm	85	dBA
Resonant Frequency	2,048 ± 500	Hz
Housing Material	PPO	-
Terminal Material	Au Plated Brass	-
Weight	7	Grams
Acceptable Soldering Methods	Hand Solder, Wave Solder	-
Environmental Compliances	RoHS/REACH	-
Storage Temperature	-30 ~ +80	°C
Operating Temperature	-20 ~ +70	°C

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

Standard Test Fixture (Distance: 10cm, 6 V0-p, 2048 Hz square wave)



Typical Frequency Response

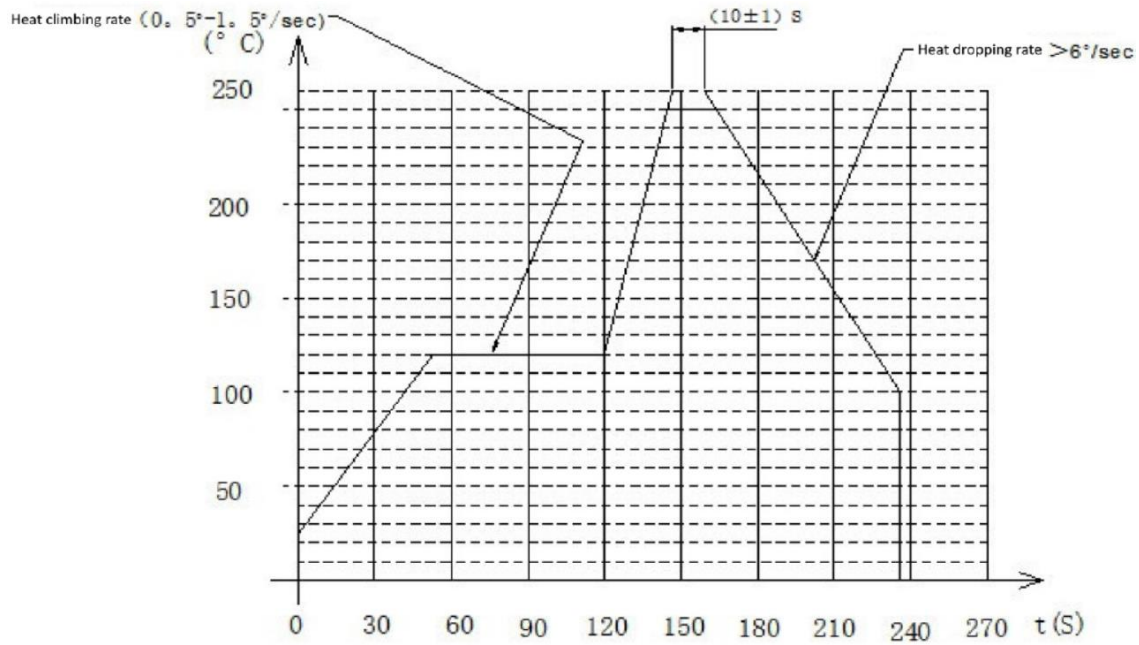


Reliability Testing

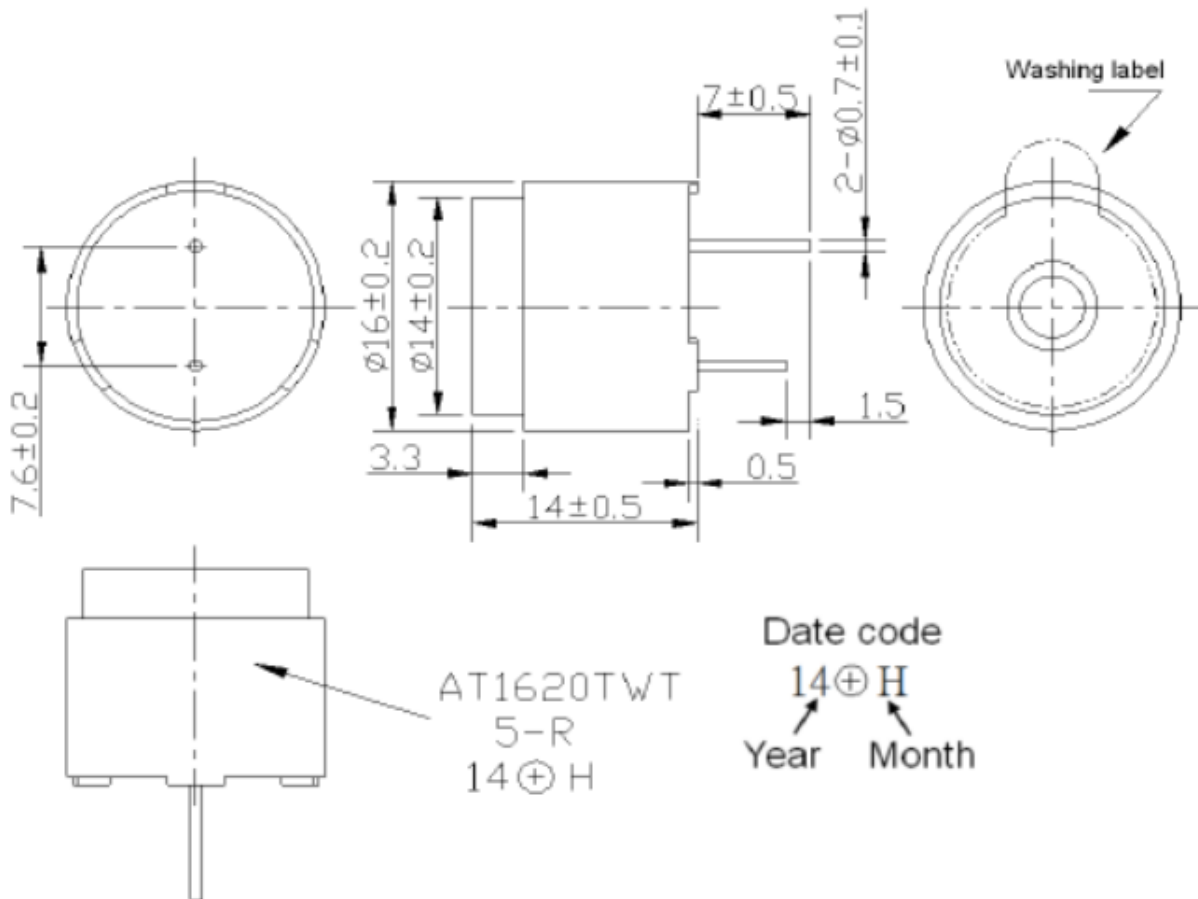
Type of Test	Test Specifications
High Temperature Test	96 hours at 80°C. Rest at normal room condition for 2 hours.
Low Temperature Test	96 hours at -30°C. Rest at normal room condition for 2 hours.
Humidity Test	96 hours at 40°C with relative humidity at 90-95%. Rest at normal room condition for 2 hours.
Temperature Cycle Testing	Complete 5 cycles of the following test;
Vibration Test	Apply vibration amplitude of 1.5mm with 10-55Hz band of vibration frequency to each XYZ direction for 2 hours.
Drop Test	Drop from height of 75cm onto 4cm thick wooden board, any direction, 6 times.

After tests, part shall be within ±10dB of stated SPL value.

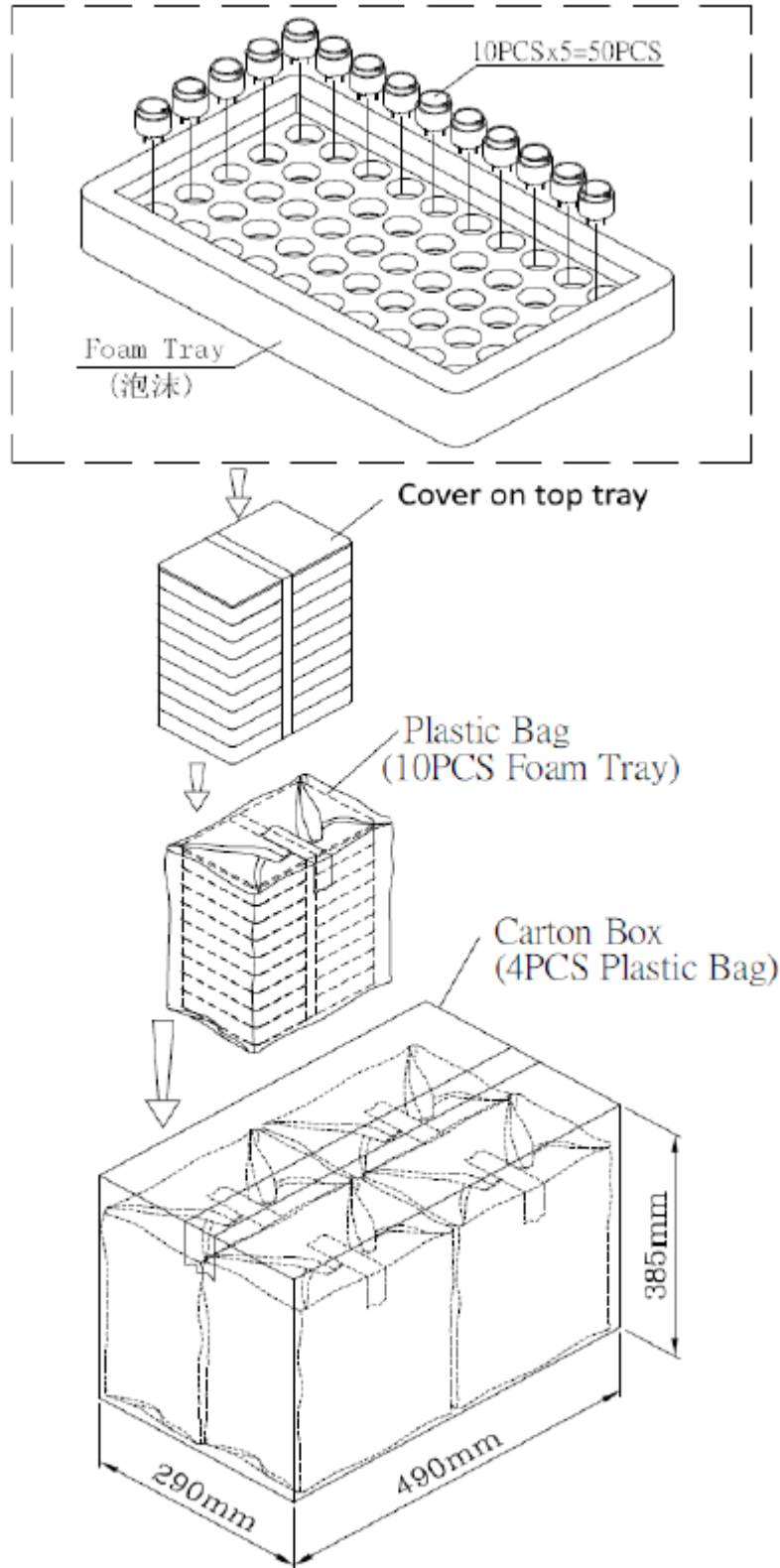
Recommended Wave Solder Profile



Dimensions



Packaging



Foam Tray	230mmx135mmx35mm	1x50PCS=50PCS
Plastic Bag		10x50PCS=500PCS
Carton Box	490mmx290mmx385mm	4x500PCS=2000PCS

Specification Revisions

Revision	Description	Date	Approved
A	RELEASED FROM ENGINEERING	07/28/2014	BR
B	Update Spec Format, Add Details for Reliability, Packaging, etc.	10/24/2024	ML

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.