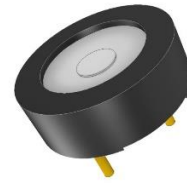




PUIaudio



Data Sheet

AT-1220-TT-3V-HT-R

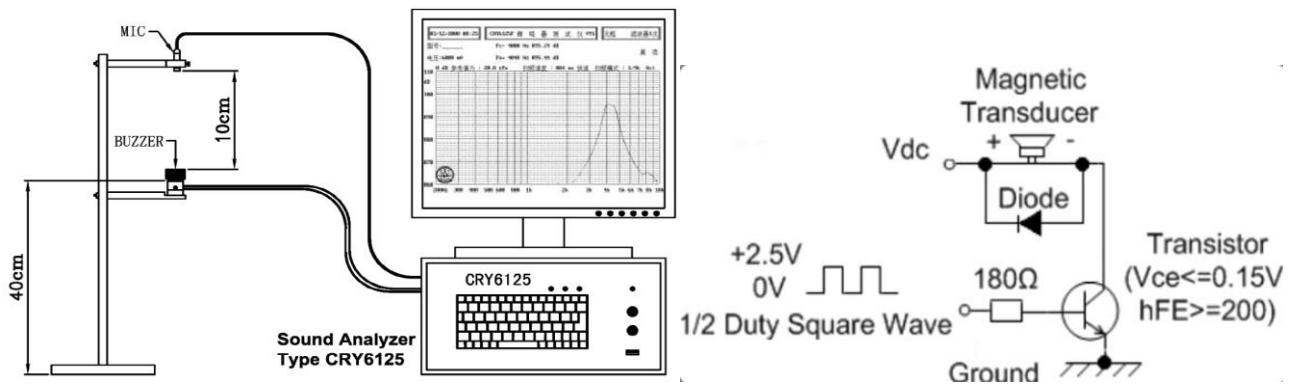
Features:

- 3Vpk, 2kHz Magnetic Transducer

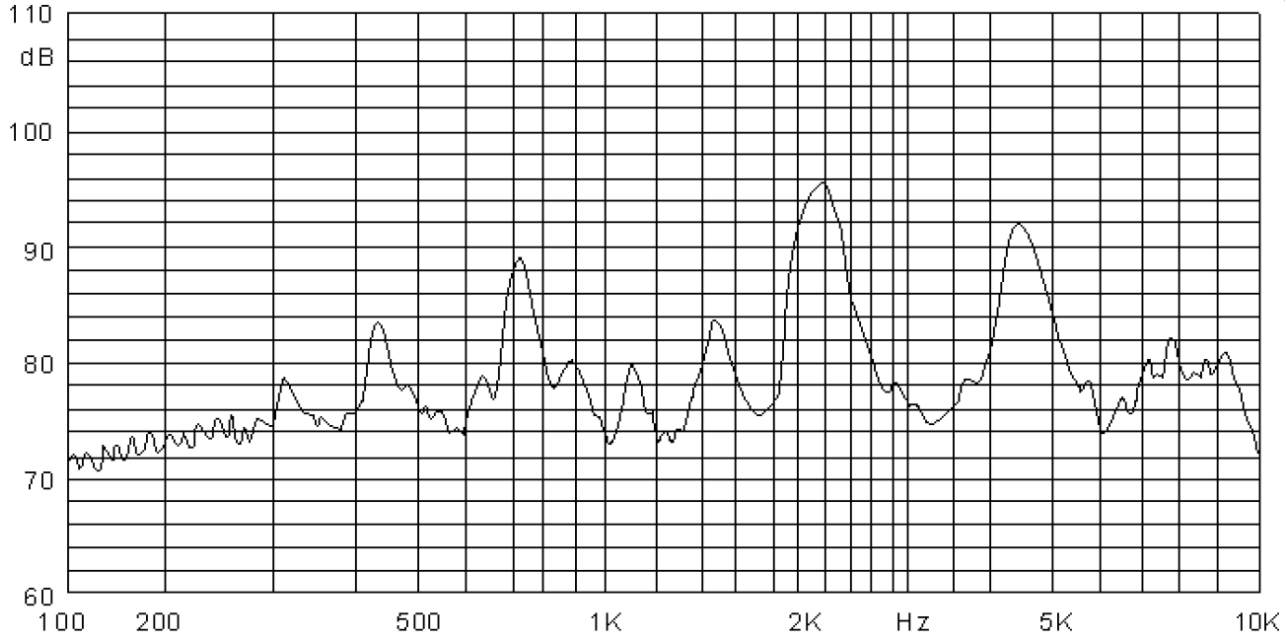
Specifications

Parameters	Values	Units
Rated Voltage	3	V0-p
Operating Voltage Range	2 ~ 5	V0-p
Max Current Draw at Rated Voltage	80	mA
Coil Resistance	15±3	Ohms
Minimum SPL @ 10cm	≥80	dBA
Resonant Frequency	2,000 ± 500	Hz
Housing Material	PPO	-
Terminal Material	Au plated Brass	-
Weight	2	Grams
Acceptable Soldering Methods	Hand Solder, Wave Solder	-
Environmental Compliances	RoHS/REACH	-
Storage Temperature	-40 ~ +85	°C
Operating Temperature	-30 ~ +85	°C

Test Method (3Vpk @ 10cm)



Frequency Curve (3V0-pk @ 10cm)

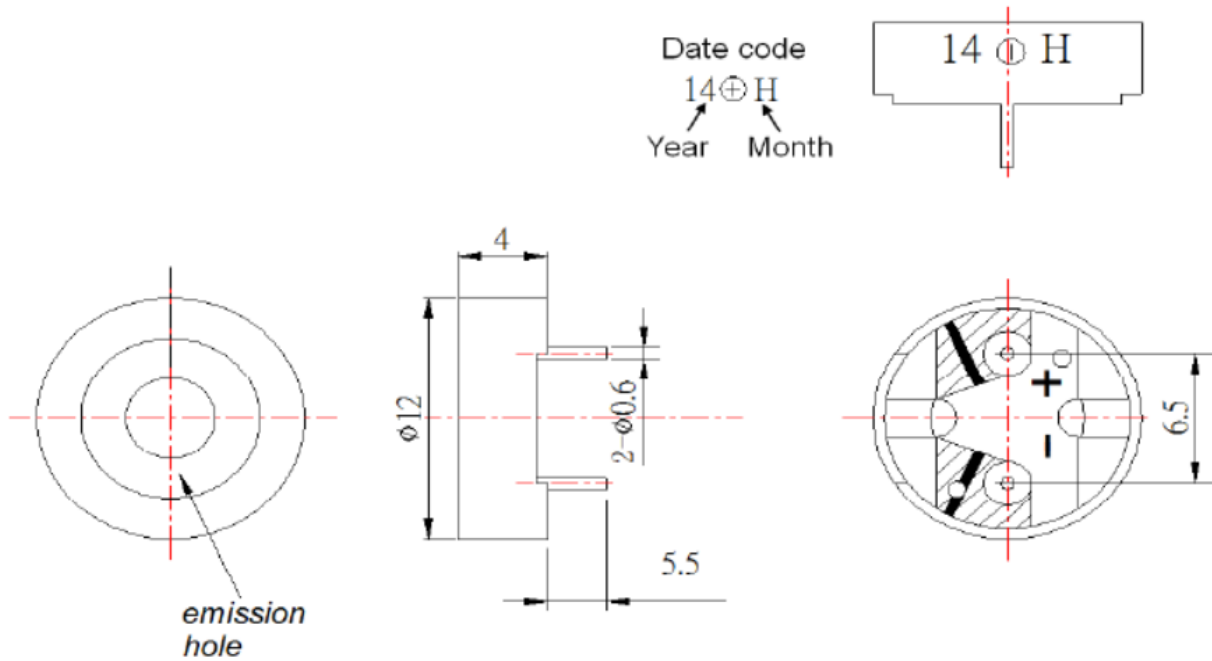


Reliability Testing

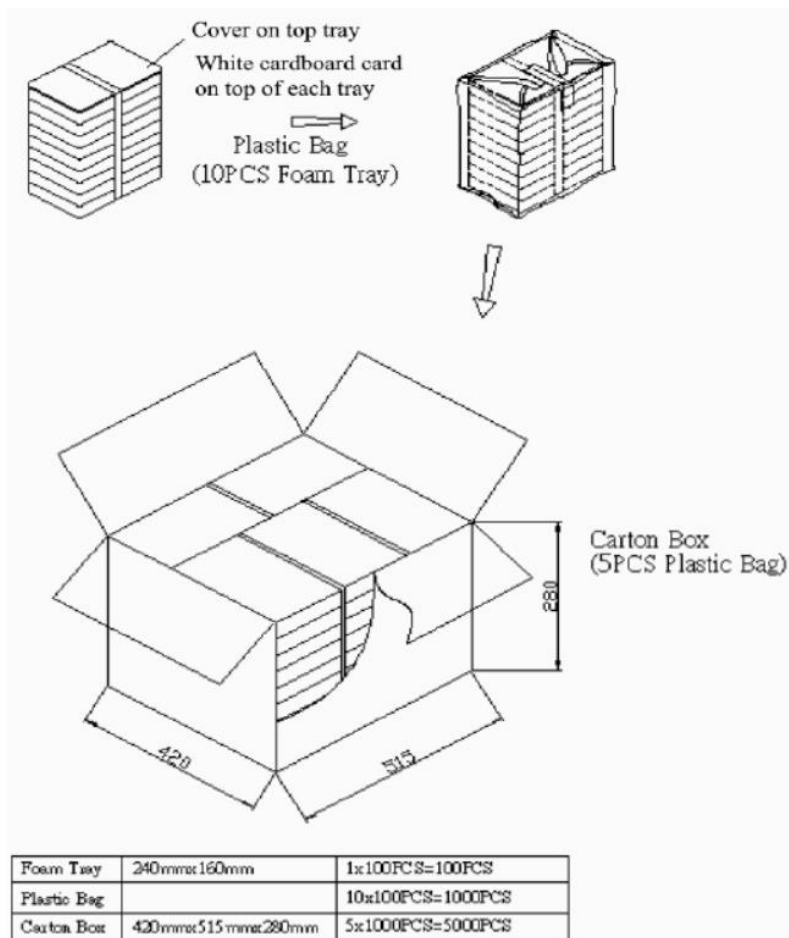
Type of Test	Test Specifications
High Temperature Test	The part shall be capable of withstanding a storage temperature of +85°C for 96 hours
Low Temperature Test	The part shall be capable of withstanding a storage temperature of -40°C for 96 hours
Humidity Test	40±2°C, 90~95% RH, 120 hours
Temperature Cycle Testing	Total 5 cycles, 1 cycle consists of:
Vibration Test	Vibration amplitude of 1.5mm with 10-55Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours.
Drop Test	Drop on wooden board of 4cm thick, any direction, 6 times, from height of 75cm.

2 hours after the test the part shall meet specifications without any degradation in appearance and performance except SPL shall be ±10dB of the initial value.

Drawing



Packaging



Specifications Revisions

Revision	Description	Date
A	Released from Engineering	10/19/2021

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.