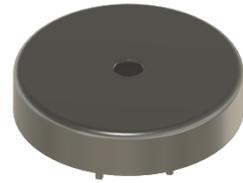




PUI audio



Data Sheet

AT-3030-TT-R

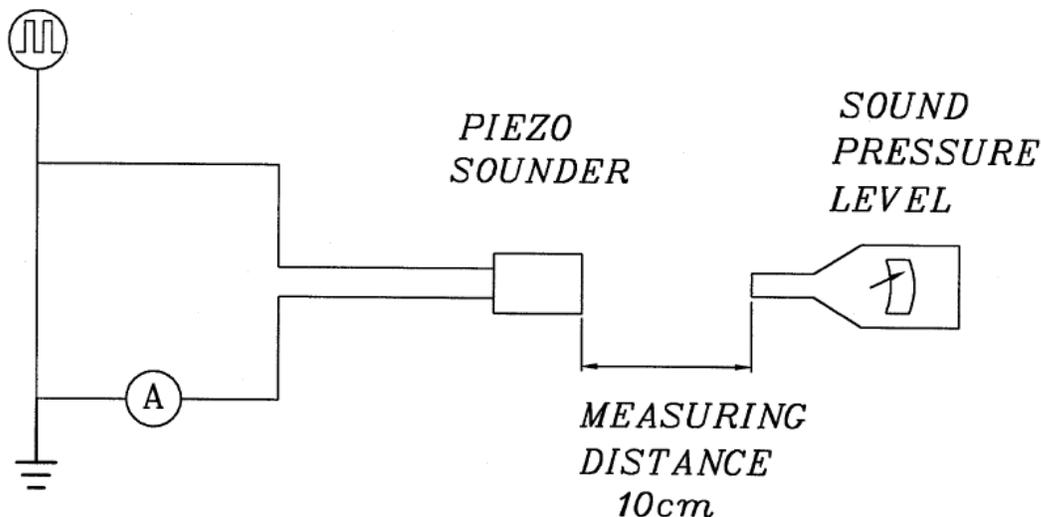
Features:

- ϕ 30.2 x 7.5 Piezoelectric transducer
- High temperature profile up to 85°C
- 90 dBA SPL @10cm with current draw of 10mA

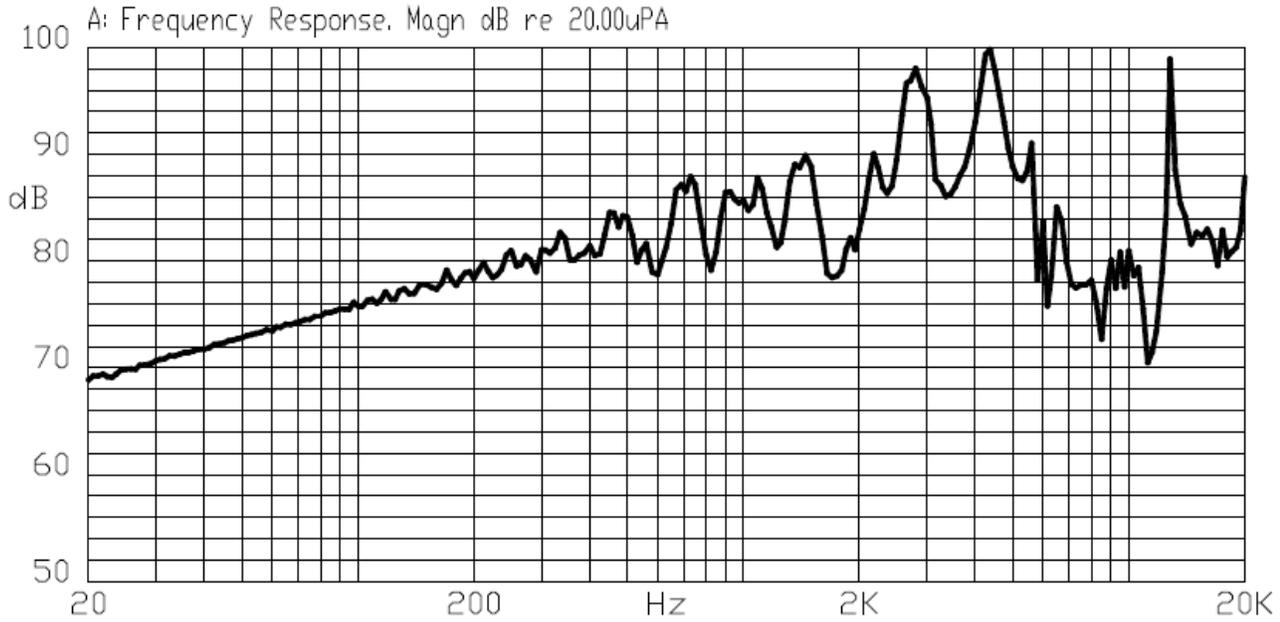
Specifications

Parameters	Values	Units
Rated Voltage	10	Vp-p
Operating Voltage Range	1 ~ 30	Vp-p
Current Draw at Rated Voltage	10	mA
Capacitance	18,000 \pm 30%	pF
Minimum SPL @ 10cm	90	dBA
Resonant Frequency	3,300	Hz
Housing Material	Black PBT	-
Terminal Material	AU plated pin	-
Weight	4.4	Grams
Environmental Compliances	RoHS/REACH	Ex. 7c-1
Storage Temperature	-40 ~ 95	°C
Operating Temperature	-30 ~ 85	°C

Measurement Method (10 Vp-p, 3kHz square wave)



Typical Frequency Response (10 V_{p-p}, 3kHz square wave)

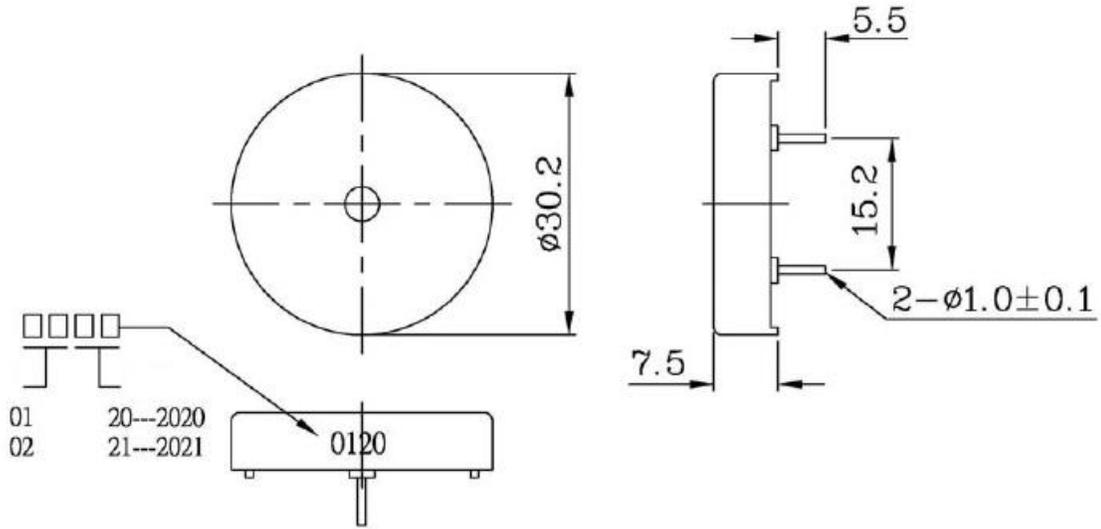


Reliability Testing

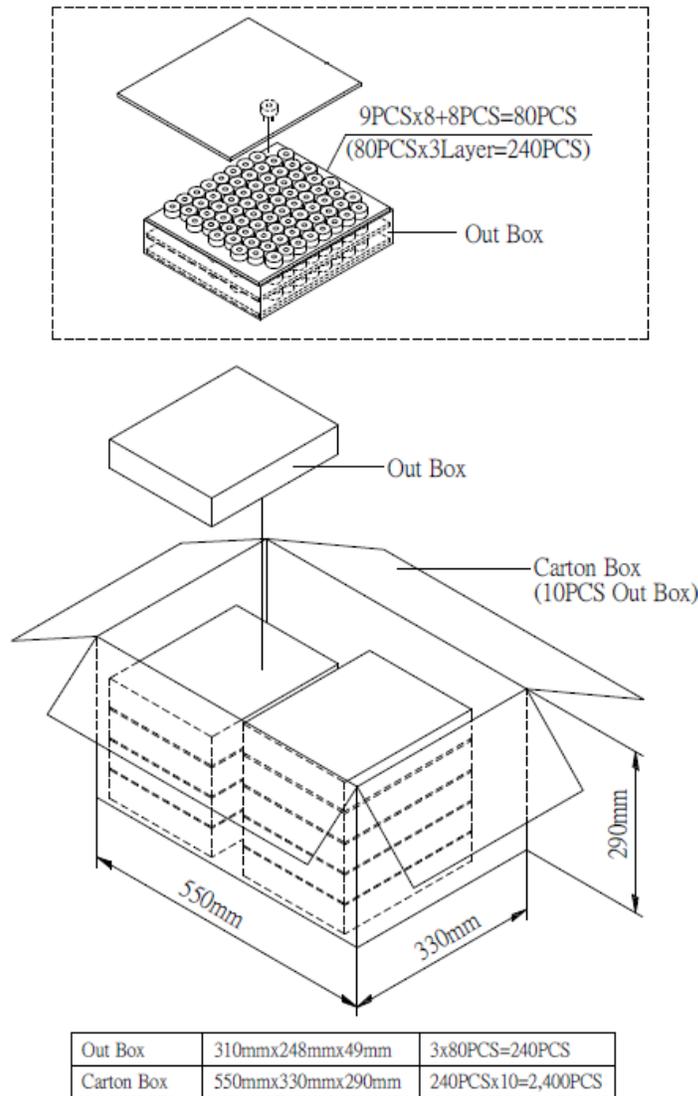
Type of Test	Test Specifications
High Temperature Test	240 hours at 95°C
Low Temperature Test	240 hours at -40°C
Humidity Test	240 hours at 40°C with relative humidity at 85~90%
Temperature Cycle Testing	Run for 5 cycles with each cycle consisting of:
Vibration Test	Frequency: 10 to 55 hz; Amplitude: 1.5mm Duration: 3 hours each in X, Y, Z direction
Drop Test	The part shall be dropped from a height of 75cm onto a 40mm thick wooden board 3 times in 3 axes (X.Y.Z)

After each test, let rest for 4 hours and the SPL shall be within ±10dB

Dimensions



Packaging



Specifications Revisions

Revision	Description	Date
A	Released from Engineering	7/12/2012
B	Updated Resonant Frequency, Housing material, and Packaging	9/14/2023

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.