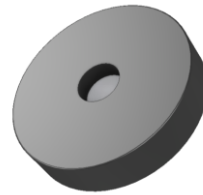




PUIaudio

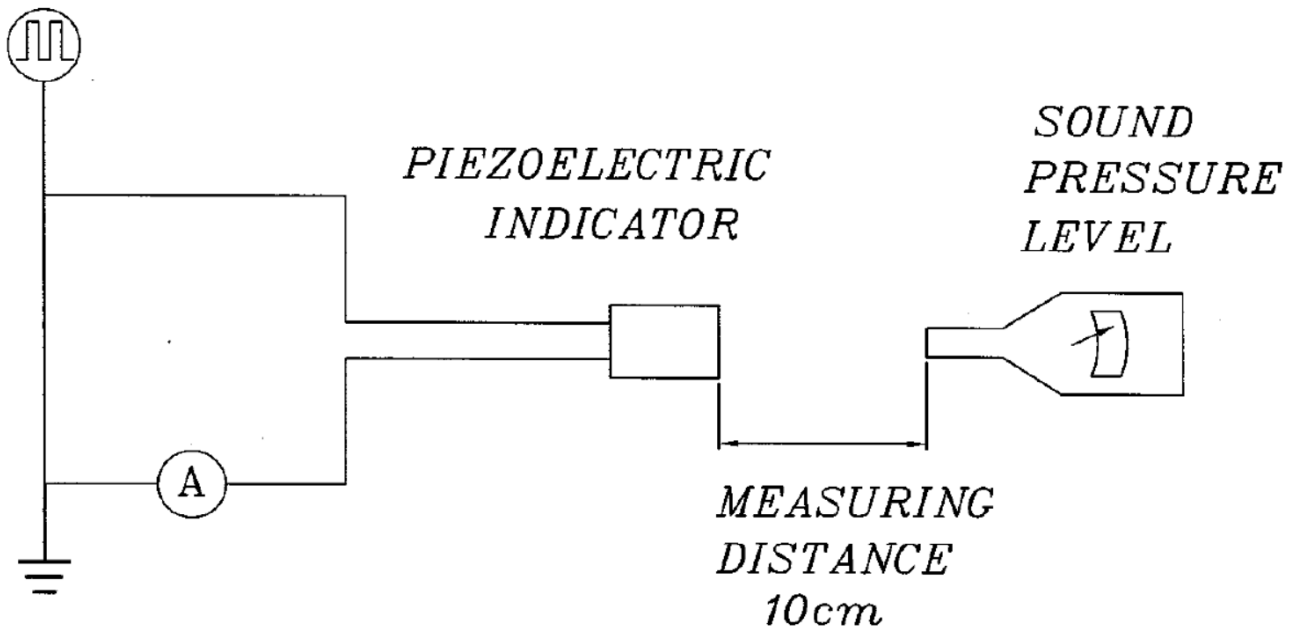


Data Sheet	AT-3045-TT-R
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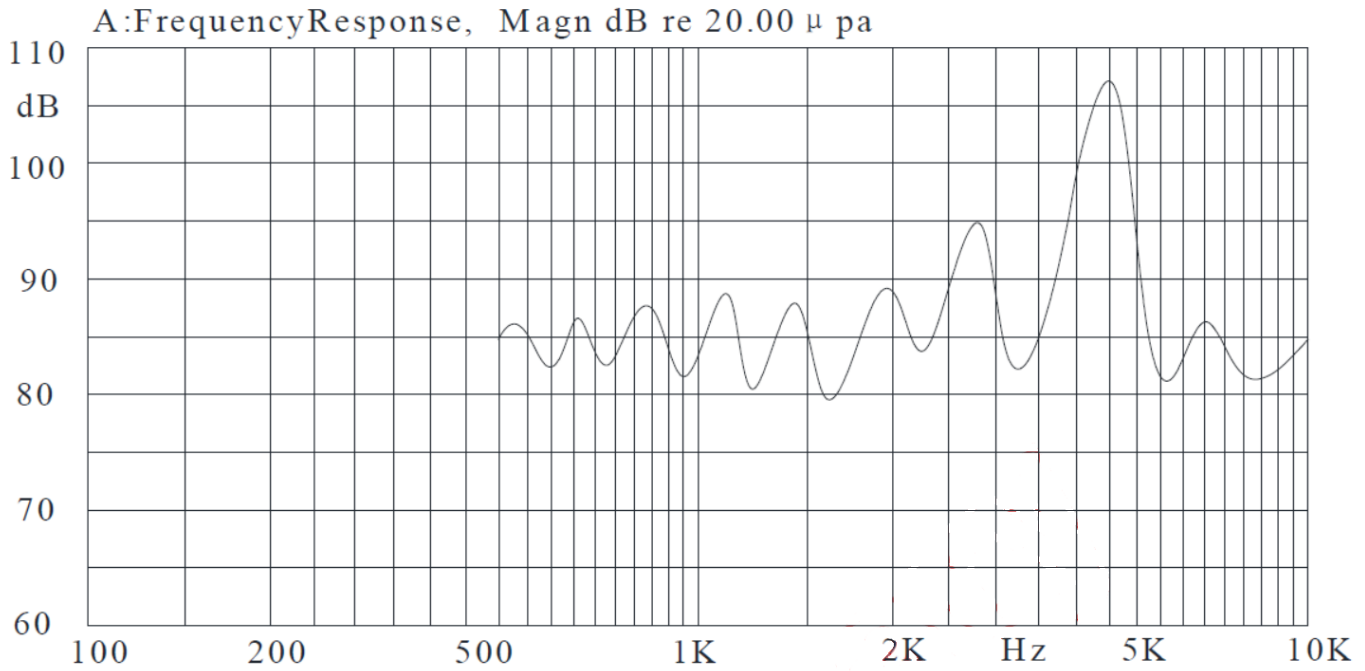
Specifications

Parameters	Values	Units
Rated Voltage	10	Vp-p
Operating Voltage Range	2 ~ 50	Vp-p
Current Draw at Rated Voltage	12	mA
Capacitance @ 120Hz/1V	25,000 ± 30%	pF
Minimum SPL @ 10cm	97	dBA
Resonant Frequency	4500 ± 500	Hz
Housing Material	ABS	-
Terminal Material	Sn Plated Cu	-
Weight	3.1	Grams
Acceptable Soldering Methods	Manual or Wave Solder	-
Environmental Compliances	RoHS/REACH	Exempt. 7c-1
Storage Temperature	-40 ~ +85	°C
Operating Temperature	-40 ~ +85	°C

Measurement Method (10Vpp, 4500Hz @ 10cm)



Typical Frequency Response

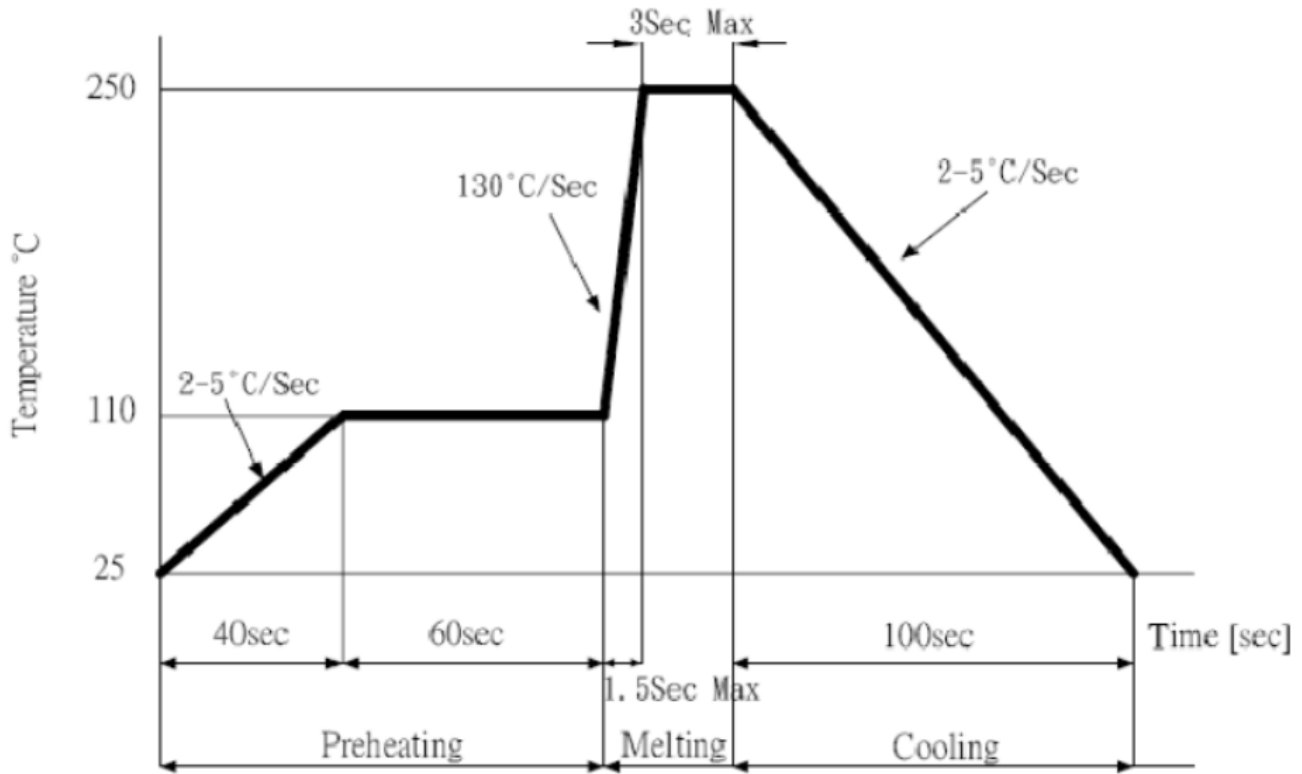


Reliability Testing

Type of Test	Test Specifications
High Temperature Test	96 hours at 85°C
Low Temperature Test	96 hours at -40°C
Humidity Test	96 hours at 40°C with relative humidity at 90%
Temperature Cycle Testing	Tests consists of 5 cycles. One cycle is as below
Vibration Test	Apply vibration of 1.5mm amplitude, 10-55Hz vibration frequency in xyz direction for 2 hours.
Drop Test	Drop from height of 75cm onto 40mm thick wooden board 3 times in each xyz direction.

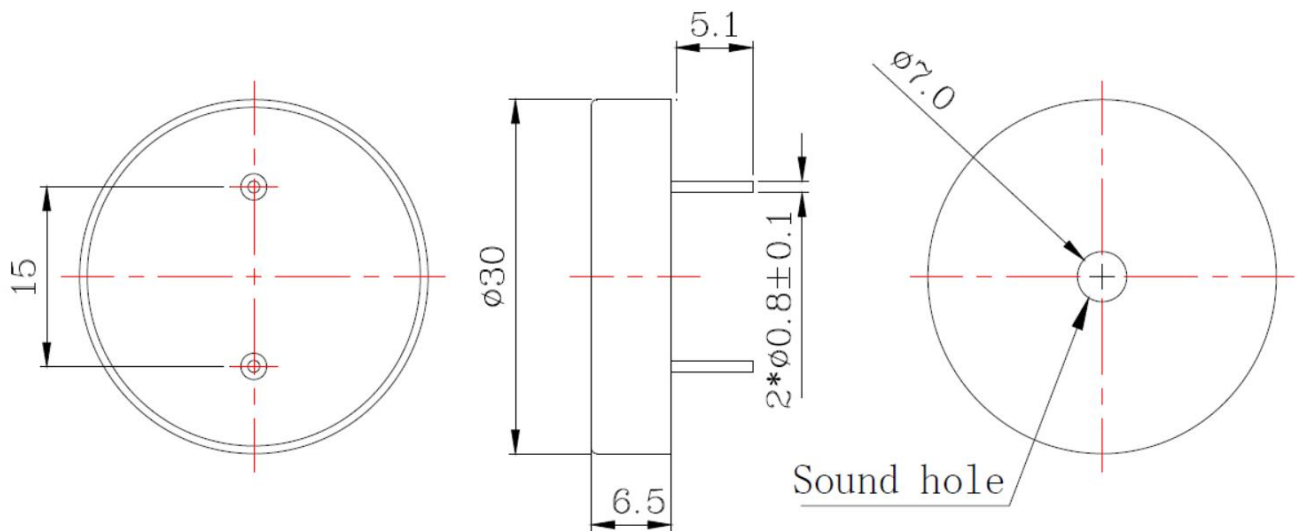
Restest after 4hours rest at 25C. Part shall be within ± 10 dB to initial test.

Wave Solder Recommendation



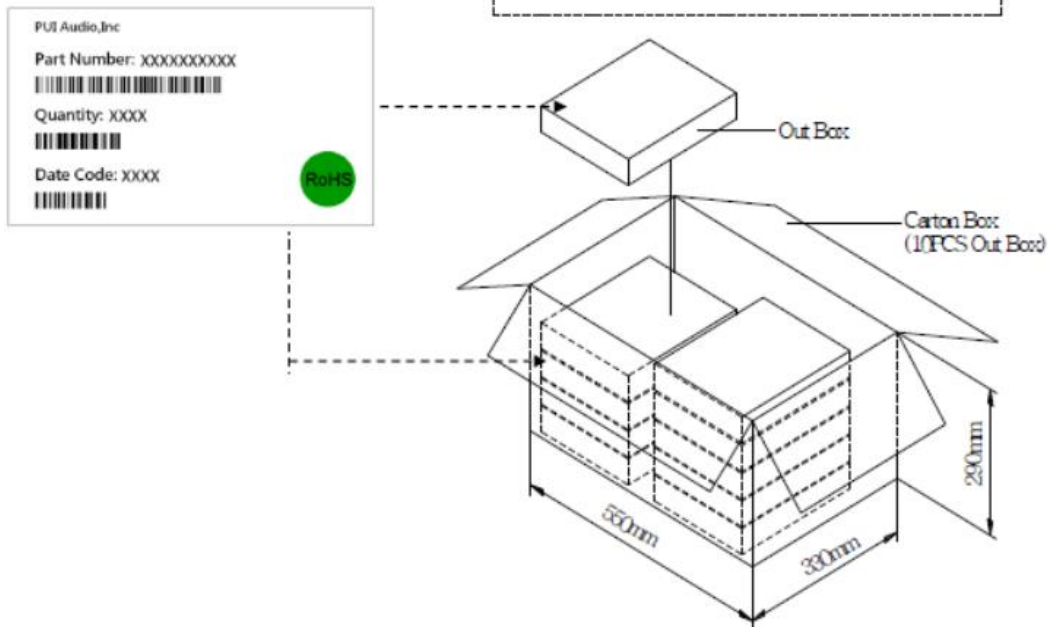
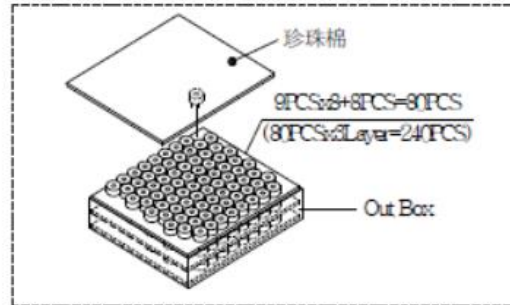
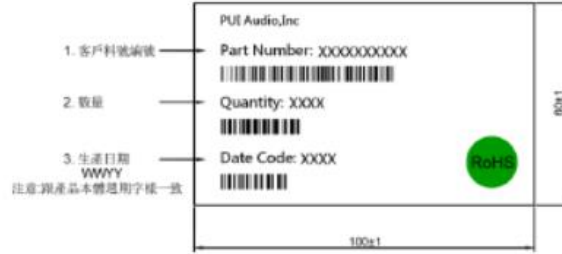
Manual Soldering is Iron temp of 350C and solder time 2 seconds or less per terminal.

Dimensions



Unit : mm
 Tol : ± 0.5

Packaging



Out Box	510mmx245mmx49mm	8x8PCS=24PCS
Carton Box	550mmx330mmx290mm	24PCSx10=240PCS

Specifications Revisions

Revision	Description	Date
A	RELEASED FROM ENGINEERING	01/02/2020
B	Revised Operating voltage Range and Temperature Ranges	6/12/2023

Note:

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