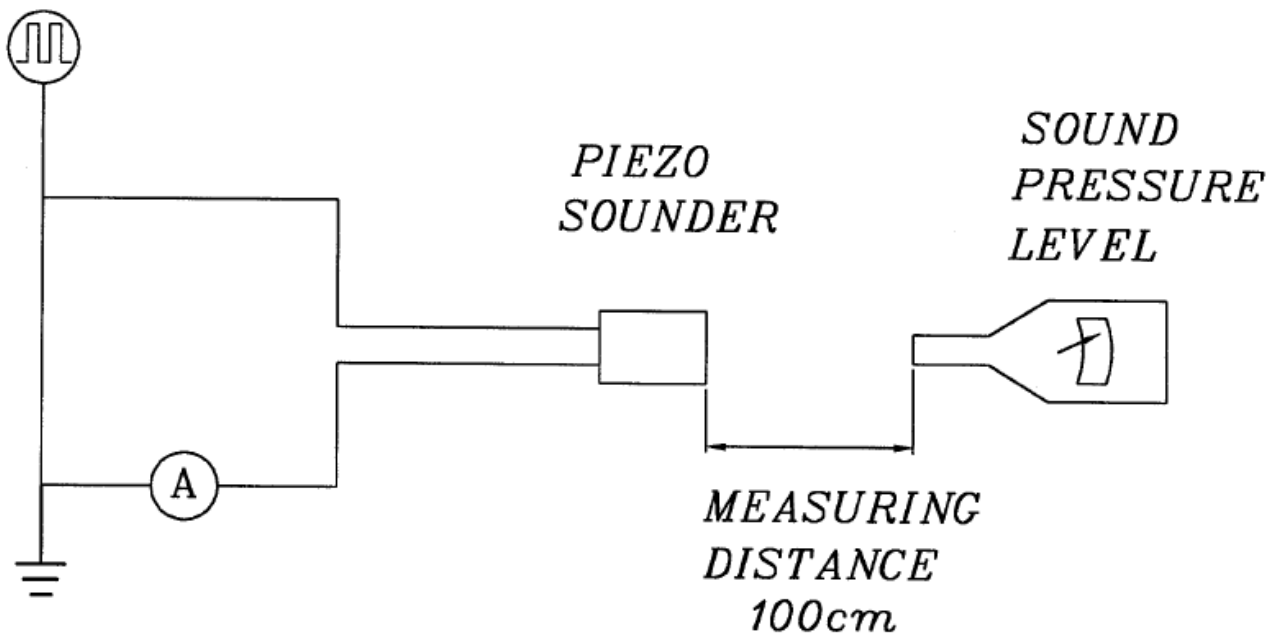


Data Sheet	AT-5535-T-R
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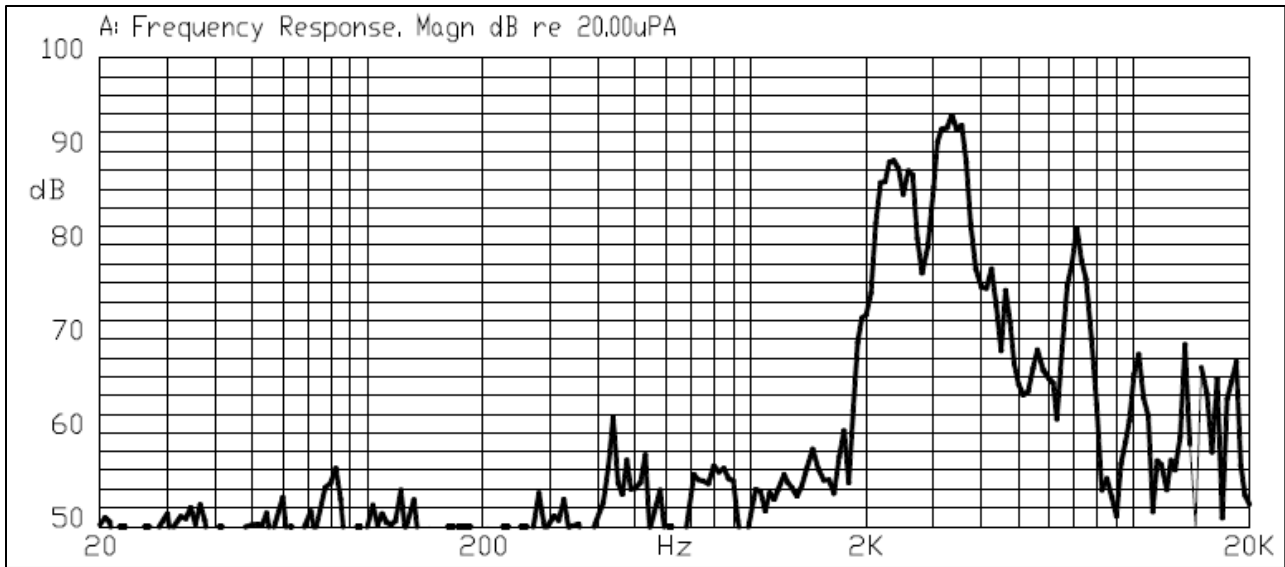
Specifications

Parameters	Values	Units
Rated Voltage	90	Vp-p
Operating Voltage Range	1 ~ 150	Vp-p
Current Draw at Rated Voltage	30	mA
Capacitance 1kHz/0.25V	30,000±30%	pF
Minimum SPL @ 100cm	95	dBA
Resonant Frequency	3500	Hz
Housing Material	UL94 ABS	-
Terminal Material	Contact	-
Weight	35	Grams
Acceptable Soldering Methods	Hand Solder	Iron 360C for 3 seconds or less
Environmental Compliances	ROHS	-
Storage Temperature	-20~60	°C
Operating Temperature	-30~70	°C

Measurement Method (Driven with 90Vpp @ 3.5kHz)



Typical Frequency Response (Driven with 90Vpp pink noise with microphone spaced at 1 meter)



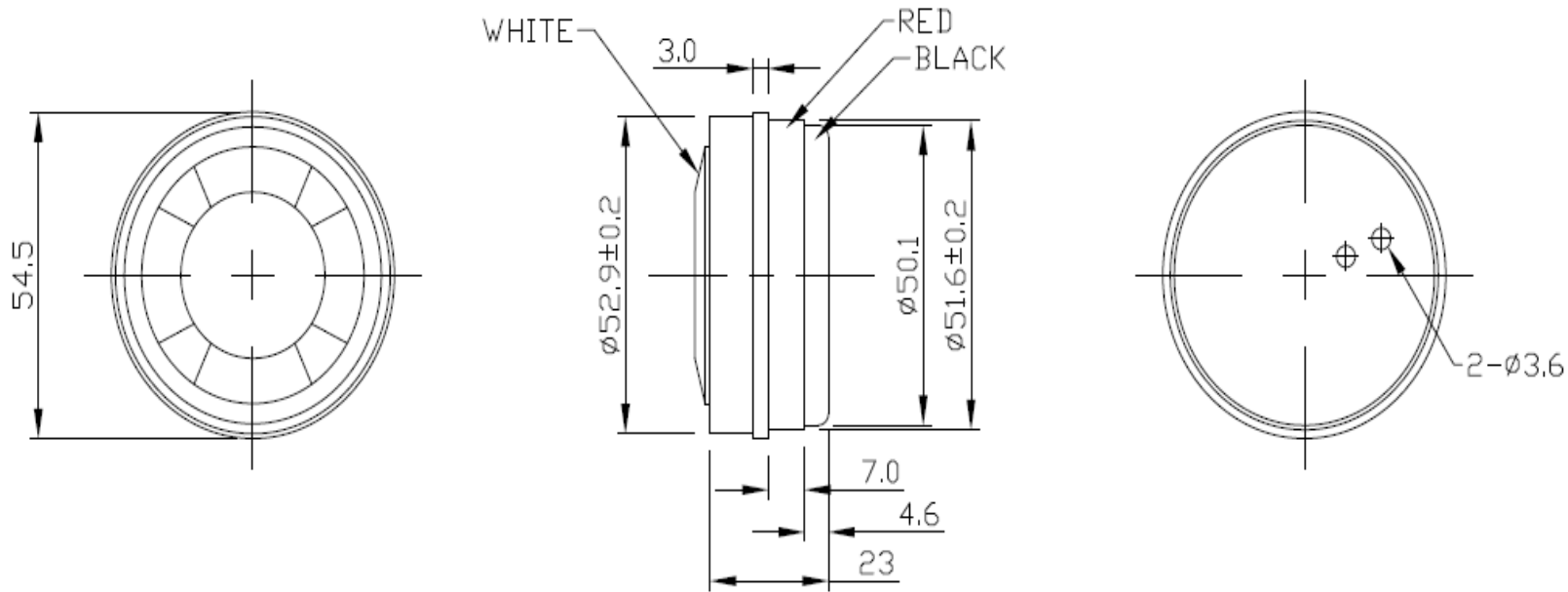
Reliability Testing

Type of Test	Test Specifications
High Temperature Test	After being inside chamber for 240 hours at 70°C
Low Temperature Test	After being inside chamber for 240 hours at -30°C
Humidity Test	After being inside chamber 240 hours at 40°C with relative humidity at 90%
Temperature Cycle Testing	Subject to 5 cycles beginning at -30C for 30min, increase to 25C over 30min, stay at 25C for 30min, increase to 70C over 30min, stay at 70C for 30min, decrease to 25C over 30min, stay at 25C for 15min.
Vibration Test	Applied amplitude of 1.5mm with 10Hz to 55Hz frequency in XYZ axis for 2 hours.
Drop Test	Drop from 75cm onto 40mm thick plywood 3 times in XYZ axis 3 times, 9 total.

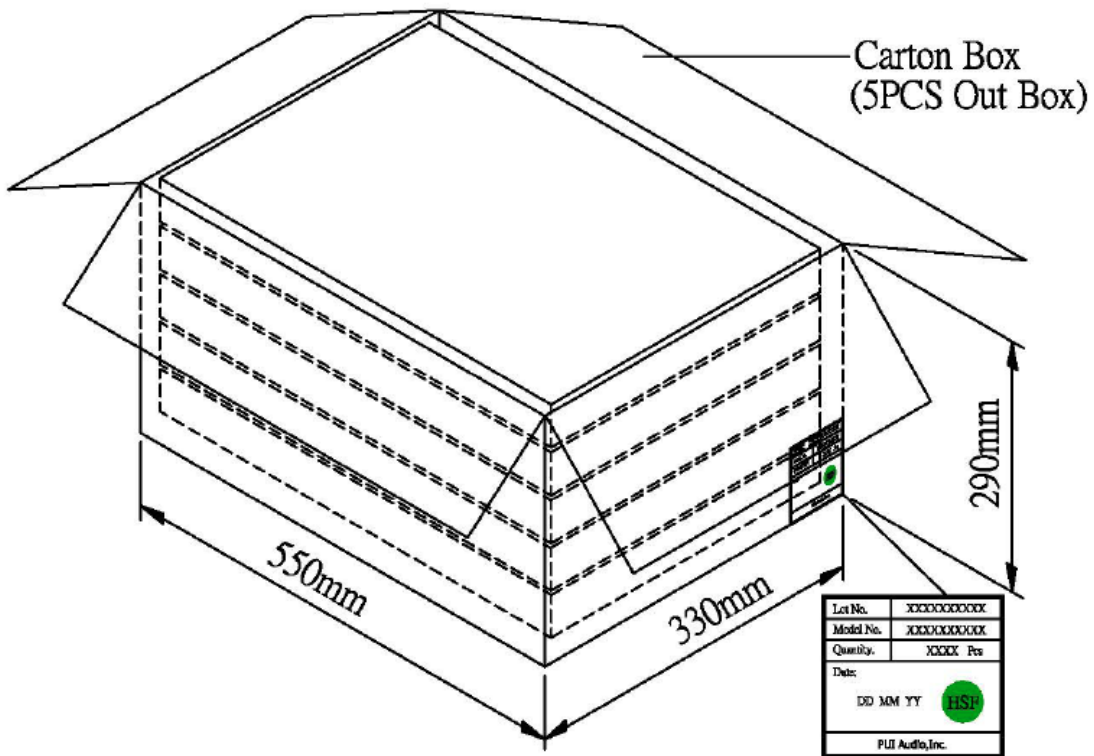
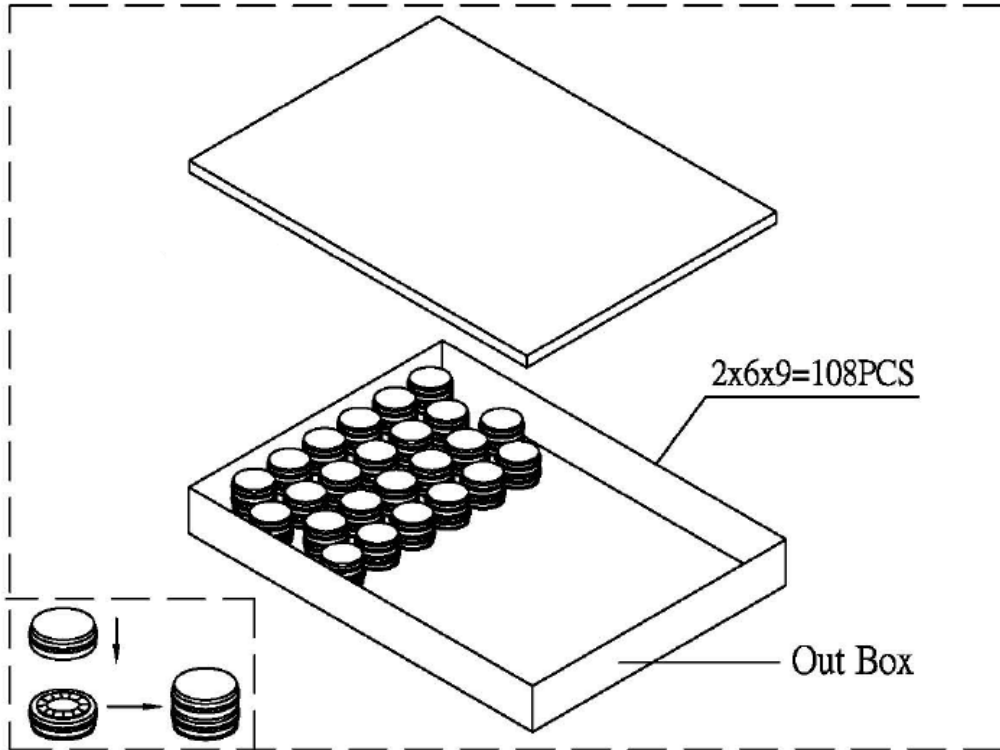
Evaluation:

Allow buzzer to sit for 4 hours at 25C. Test results should be within ±10% of initial measurements for frequency oscillation. The SPL within ±10dB of initial measurement.

Dimensions



Packaging



Out Box	450mmx350mmx50mm	1x108PCS=108PCS
Carton Box	455mmx365mmx300mm	108PCSx5=540PCS

Specifications Revisions

Revision	Description	Date
-	Released from Engineering	11/8/2019

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.