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Data Sheet	PRELIMINARY	AOM-2961L

Specifications

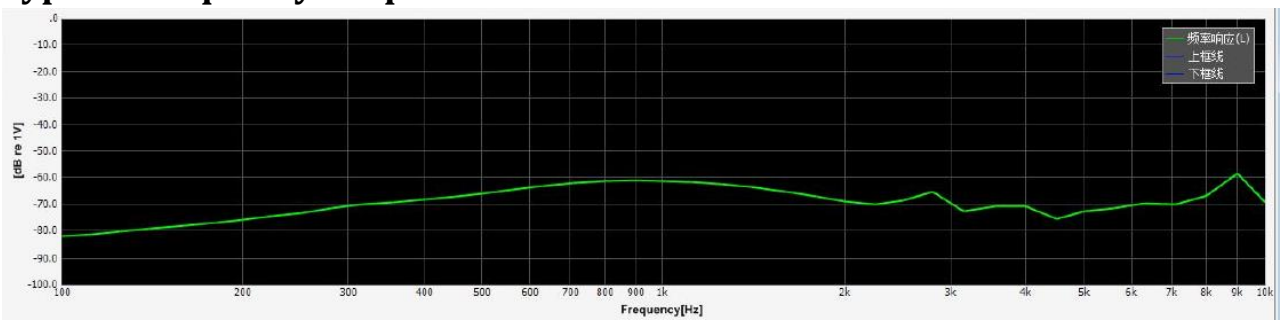
Parameters	Values	Units
Rated Input Power	2	Vdc
Impedance	150 ± 20%	Ohms
Sensitivity	-63 ± 3	dB
Frequency Range	100 – 7,000	Hz
THD (@ 1kHz)	≤ 5%	-
Signal to Noise	>12	dB
Weight	TBD	Grams
Environmental Compliances	ROHS/REACH	-
Storage Temperature	-20 ~ 50	°C
Operating Temperature	-20 ~ 50	°C

Measurement Method (2 Vdc)



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Typical Frequency Response



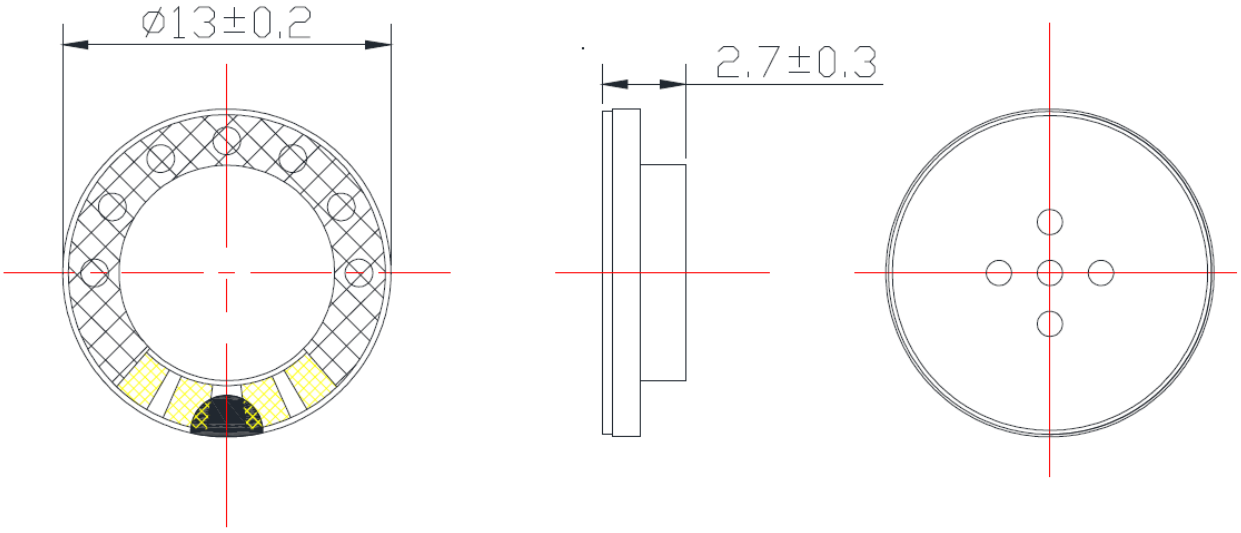
Reliability Testing

Type of Test	Test Specifications
High Temperature Test	96 hours at 50 ± 2°C
Low Temperature Test	96 hours at -20 ± 2°C
Humidity Test	96 hours at 40°C with relative humidity at 90~95%
Temperature Cycle Testing	After being placed in a chamber at -20±2ºC for 30 minutes, products shall be placed at room temperature(+20ºC). After 15 minutes at this temperature, products shall be placed in a chamber at +50±2ºC. After 30 minutes at this temperature, products shall be return to room temperature (+20ºC) for 15 minutes. After 5 above cycles, products shall be measured after being placed in natural condition for 4 hours.
Vibration Test	After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 30 minutes.
Drop Test	Drop on a hard wood board of 5cm thick, any direction, in state of packing, 6 times, at the height of 80cm .

After each test, let the part rest for 3 hours. The sensitivity must be within 3dB after resting.

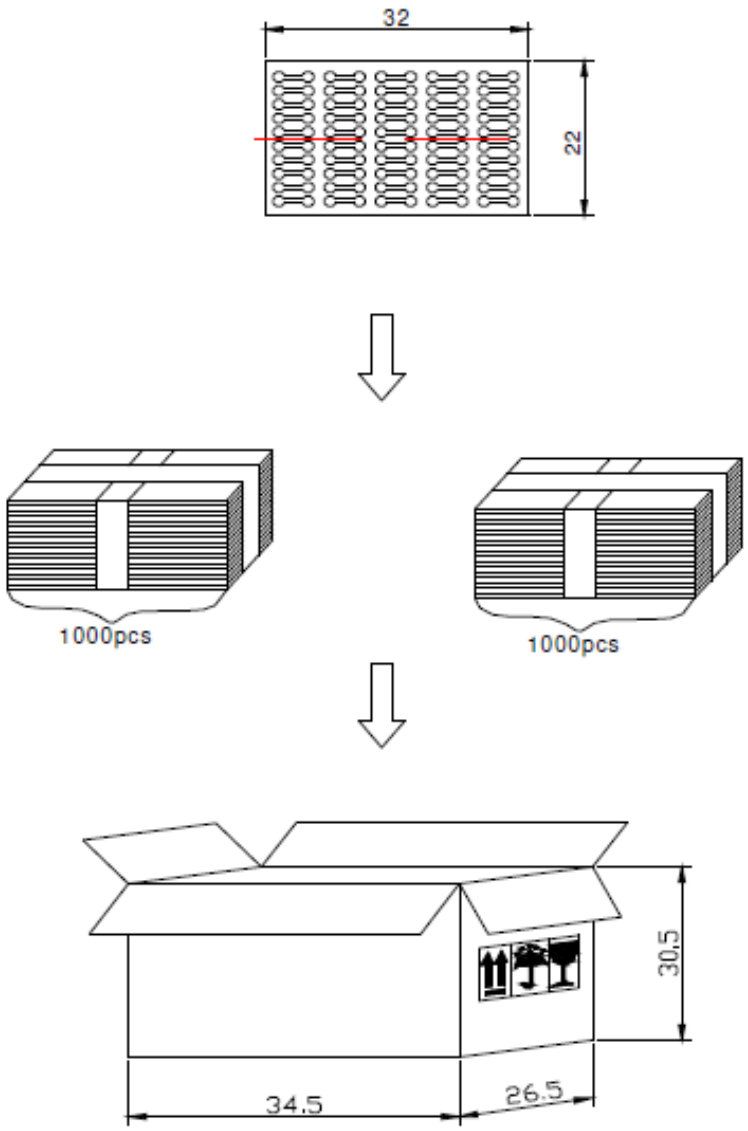
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Dimensions



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Packaging



Specifications Revisions

Revision	Description	Date
A	Released from Engineering	12/19/2022

Note:

1. Unless otherwise specified:
   A. All dimensions are in millimeters.
   B. Default tolerances are ±0.5mm and angles are ±3°.
2. Specifications subject to change or withdrawal without notice.