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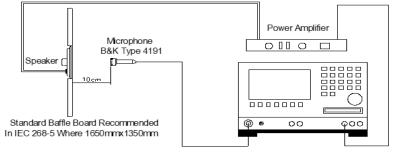


AS01508MS-SC15-WP-2-R

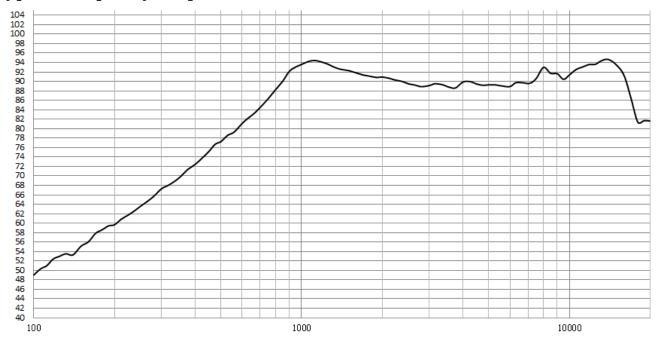
Specifications

Parameters	Values	Units
Rated Input Power	0.7	Watts
Max Input Power	1	Watts
Impedance	8 ± 15%	Ohms
Output SPL @ 2.37Vrms/10cm (1cc box)	92 ± 3	
In Free-Air	85 ± 3	
(Avg. 0.8, 1.0, 1.2, 1.5 kHz)		dB
Resonant Frequency (1cc box)	$1000 \pm 20\%$	
RF Free Air	700 ± 20%	Hz
Frequency Range	Fo – 20,000	Hz
THD max. (1kHz, 0.1W)	10%	-
Diaphragm Material	Aluminum Cap PEEK	-
Frame Material	PPA	-
Magnet Material	NdFeB	-
Weight	1.5	Grams
Ingress Protection Rating	IP67	-
	Should not be audible at 6.32Vrms sine wave between	
Buzz, Rattle, etc.	(90Hz-20kHz)	-
Environmental Compliances	ROHS/REACH	-
Polarity	Diaphragm to move in forward direction when +pos applied to pos+ terminal	-
Storage Temperature	-40 to 85	°C
Operating Temperature	-20 to 70	°C

Measurement Method

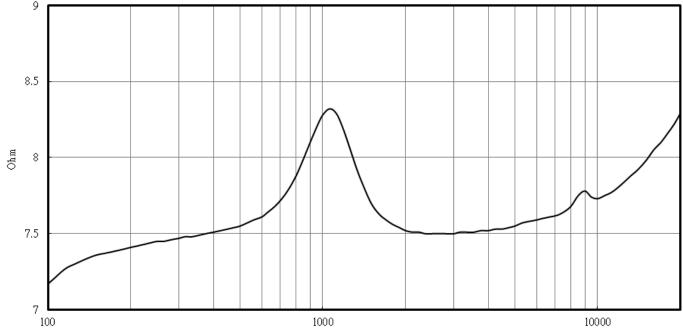


Audio Analyzer B&K Type 2012



Typical Frequency Response (2.37Vrms, 10cm) 1cc box





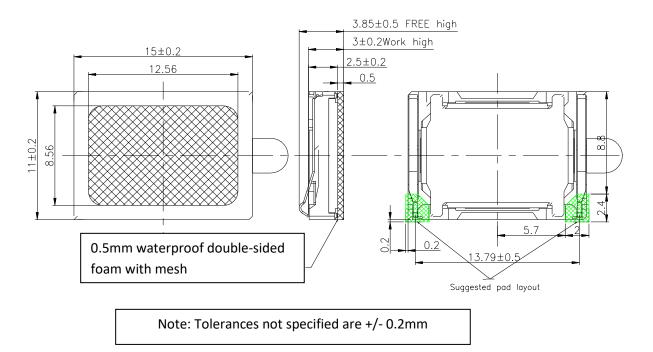
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Reliability Testing

Type of Test	Test Specifications	
High Temperature Test	96 hours at 85±3°C	
Low Temperature Test	96 hours at -40±3°C	
Humidity Test	96 hours at 40±3°C with relative humidity at 90~95% (recovery 6 hours)	
Temperature Cycle Testing	Temperature: -40°C±3°C ← →85°C±3°C Cycle: 12 cycles Duration: 2 hour 2 hour (recovery 2 hours) +85°C +25°C -40°C 2Hrs (30minutes) (5minutes) 1 cycle (5minutes)	
Vibration Test	Frequency: 10~55~10Hz Oct/min. Amplitude: 1.5mm Duration: 2 hours each of 3 perpendicular directions	
	Height: 1.5m Cycle: 6 cycles (be mounted in a 100g fixture, drop samples 1.5m 2 drops on side(2*6), 2 drops on each corner(2*4). Total 20 drops	
Drop Test	total 18 times	
Load Test	Must perform normal with program White-Noise source at 0.7W for 96 Hours	

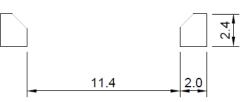
After each test let rest for 6 hours in standard room temperature, the part shall be within ±3dB.

Dimensions



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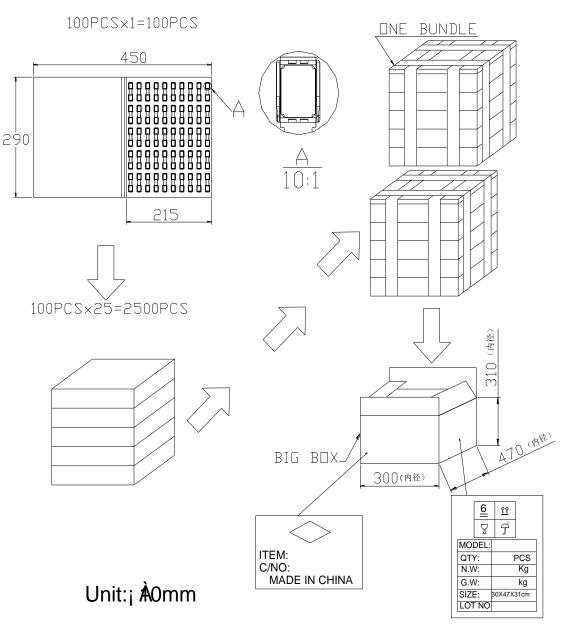
Suggested Land Pattern*



*This land pattern is advisory only and its use or adaptation is entirely voluntary. PUI Audio disclaims all liability of any kind associated with the use, application, or adaptation of this land pattern.

Packaging

2500PCS×2=5000PCS



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Specifications Revisions

Revision	Description	Date	Approved
А	Released from Engineering	11/11/2020	-
В	Update performance values and dimensions	10/4/2022	-
С	Added Land Pattern	04/22/2024	M.L.

Note:

- 1. Unless otherwise specified:
 - A. All dimensions are in millimeters.
 - B. Default tolerances are ± 0.5 mm and angles are $\pm 3^{\circ}$.
- 2. No change to specification without written consent and approval by customer.
- **3.** Part is IP67 rated from front of speaker only.