

WATERPROOF SPEAKER UNIT

Acoustic Product Specification

Product Number: WSP-3620Y



Release | Revision: A/2018

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Speaker Specification		
Item	Specification	
Rated Input Power	3.0 W	
Max. Input Power	5.0 W	
Mean Sound Pressure Level (S.P.L)	78±3dB (Input :1.0m/1.0W) Average @0.8, 1.0, 1.5, 2.0KHz (0dB SPL=20µPa)	
Voice Coil Impedance	4Ω±10% (at 1.0 KHz, 1.0 V)	
Lowest Resonance Frequency	220±20%Hz (at 2.0V)	
Frequency Response	F0~20KHz (at -10dB)	
Magnet	Ф15.0 x 5.5/12.5 x 2.5mm NdFeB	
Operation	It shall be normal. Input power: 3.0 W	
Noise	It shall be normal. Sine wave 3.5V	
Polarity	When a positive DC current is applied to the terminal marked(+),the diaphragm moves forward.	
Net Weight	28.6 grams	
Dimensions:	Ø36.0 x H20.0mm Solder Pads	
IP Rating	IP65	

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Reliability Test			
Item	Method of Test		
Load Test	Input power: 3.0W Duration: 96 hours	White Noise	
Humidity Test	Temperature: ±40°C Duration: 48 hours	RH: 90 ~ 95%	
High Temperature Test	Temperature: +55±2°C Duration: 16 hours		
Low Temperature Test	Temperature: -25°C Duration: 96 hours		
Thermal Shock Test	High Temperature: +60°C Low Temperature: -20°C Number of cycles: 5 cycles Duration of Exposure: 2 hou Durations of Recovery: 1 ho	·	
Vibration Test	Amplitude: 1.5 mm Frequency: 10 ~ 55 Hz Sweep time: 1 minute AXES: 3 axes Duration: 2 hours on each a	xes	
Drop Test	Drop an unpacked unit onto from a height of 75cm.	a board of 15mm thick 5 times	
Terminal Strength	1kg-load for 15 sec, without rejection	resulting in any damage or	



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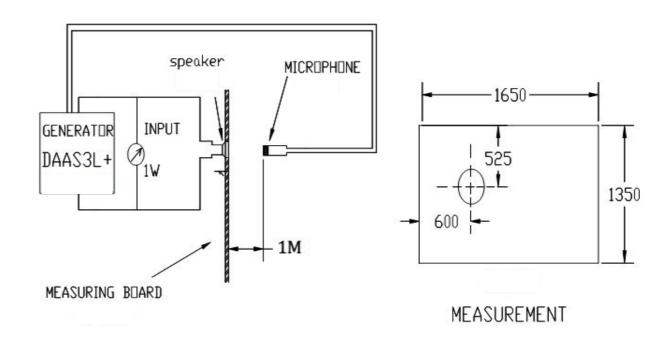
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Typical Frequency Response Curve



Temperature Condition		
Item	Method of Test	
Operation Temperature Range	-20°C ~ +40°C	
Storage Temperature Range	-25°C ~ +70°C	



Tolerance: ±0.5mm



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