



soberton inc.

DYNAMIC SPEAKER UNIT

Acoustic Product Specification

Product Number: SP-2707Y



Release | Revision: A/2018

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Dimensions

Speaker Specification

Item	Specification	Testing Condition
Dimensions	27.0 x 20.0 x H7.0 mm	
Voice Coil Impedance	8Ω ±15%	A 1,500 Hz 1.0 V
Resonant Frequency	800±20%Hz	
Output S.P.L.	83±2dB at 1.0, 1.2, 1.5, 2.0 KHz in average	At 0.5m/1.0W
Frequency Response	f0~15KHz	-10dB
Rated Input Power	1.0 W	
Max Input Power	1.5 W	
Distortion	≤ 7 %Max	
Operation	Must be normal	Program source 1.0 W
Noise	Must be normal	Sine wave 2.83 V
Heat Test	Meet items 8 & 9 after test	55±2°C 16 hours
Humidity Test	Meet items 8 & 9 after test	40±2°C 90~95%RH 48 hours
Load Test	Meet items 8 & 9 after test	1.0 W 100 hours
Magnet	φ11×1.5 mm NdFeB	
Net Weight	7.0 grams	
Polarity	Diaphragm shall move forward when a positive D.C. current is applied to the "+" or marked on terminal.	



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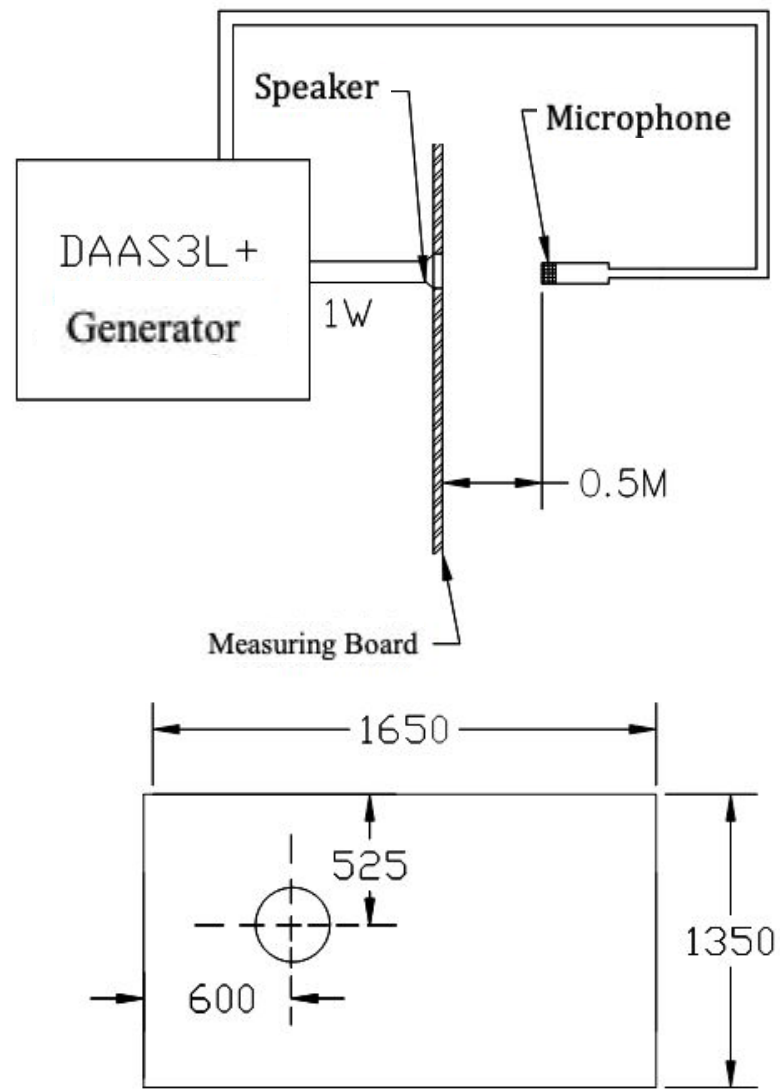
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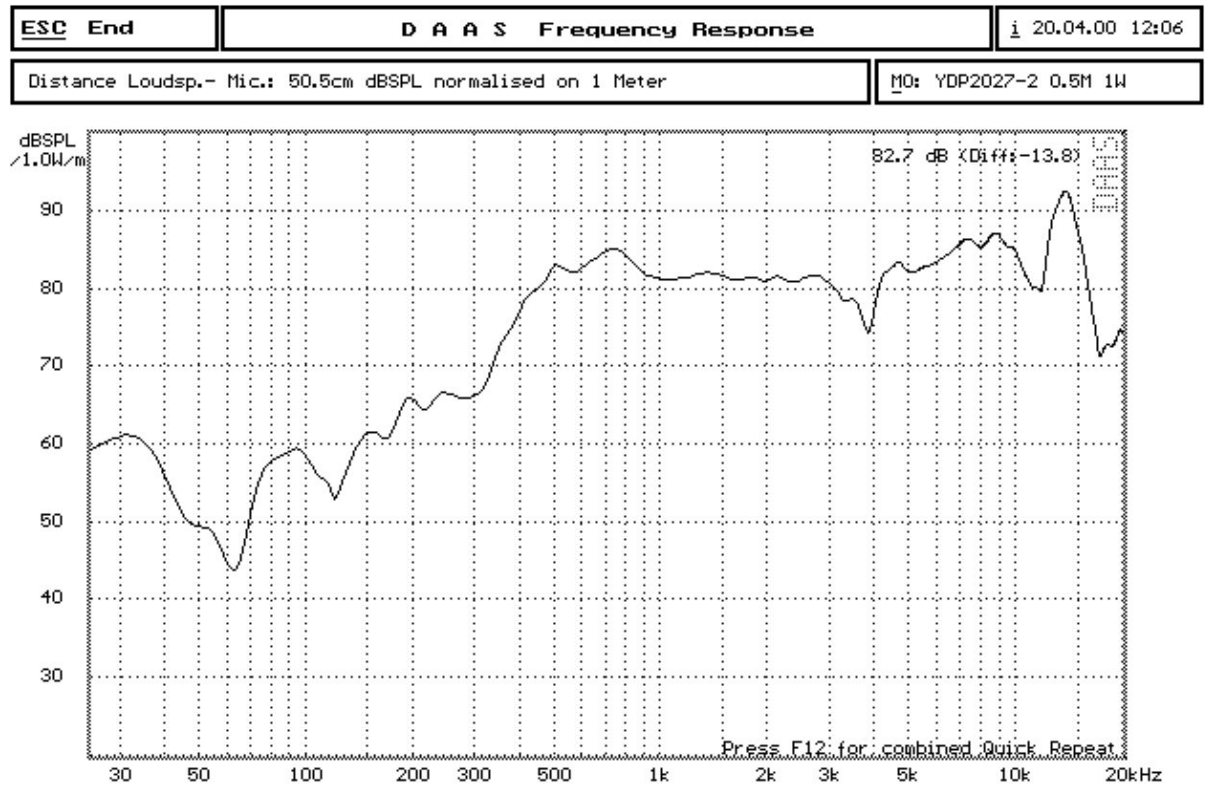
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Measuring Circuit



Measurement

Typical Frequency Response Curve





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