



soberton inc.

DYNAMIC SPEAKER UNIT

Acoustic Product Specification

Product Number: SP-2804Y



Release | Revision: A/2018

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Dimensions

Speaker Specification

Item	Specification	Testing Condition
Dimensions	Ø28 x 4.8mm	
Voice Coil Impedance	8Ω ±15%	At 1.5KHz 1.0V
Resonant Frequency	600±20%Hz	At 1.0V
Output S.P.L.	85±3dB at 0.8, 1.0, 1.2, 1.5, 2.0 KHz in average	At 0.5m /1.0 W
Frequency Response	f0 ~ 8.0KHz	-10dB
Rated Input Power	0.5 W	
Max Input Power	1.0 W	
Distortion	≤ 7 %Max	
Operation	Must be normal	Program source 0.5 W
Noise	Must be normal	Sine wave 2.0V
Heat Test	Meet items 8 & 9 after test	55±2°C 96 hours
Humidity Test	Meet items 8 & 9 after test	40±2°C 90~95%RH 16 hours
Load Test	Meet items 8 & 9 after test	0.5 W 100 hours
Magnet	Φ9.5 x 1.5mm NdFeB	
Net Weight	4.2g	
Polarity	Diaphragm shall move forward when a positive D.C. current is applied to the "+" or marked on terminal.	



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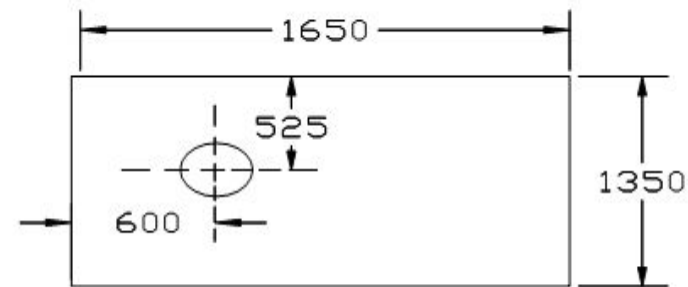
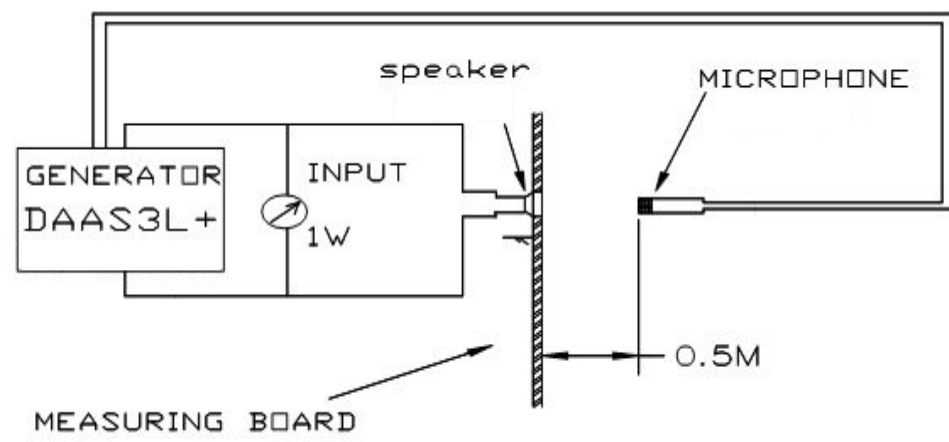
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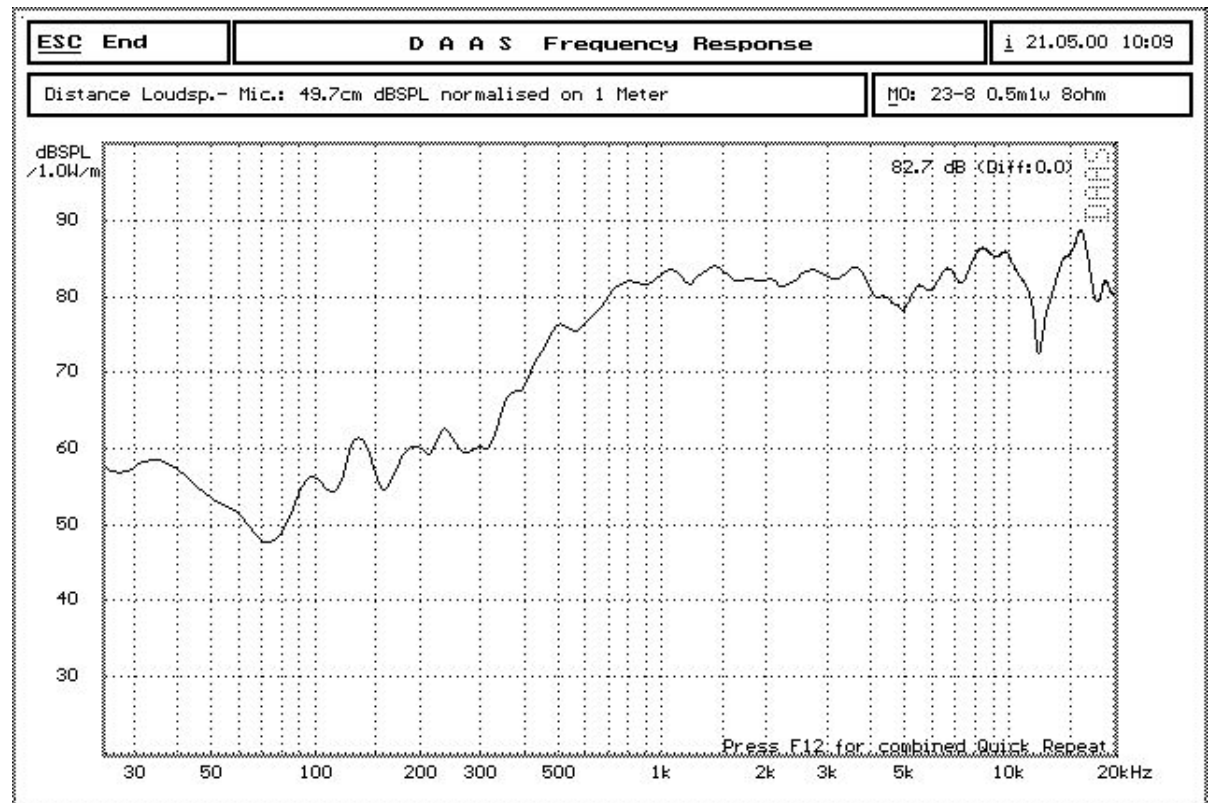
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Measuring Circuit



MEASUREMENT

Typical Frequency Response Curve





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