



soberton inc.

# DYNAMIC SPEAKER UNIT

Acoustic Product Specification

Product Number: SP-2306Y



Release | Revision: A/2018

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This document contains the technical specifications for the dynamic speaker.

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Dimensions

## Speaker Specification

Item	Specification	Testing Condition
Dimensions	Ø23.0 x H5.65mm	
Voice Coil Impedance	8Ω ±15%	at 2,000Hz 1 V
Resonant Frequency	800 ±20%Hz	
Output S.P.L.	82±2dB at 1.0, 1.2, 1.5, 2.0 KHz in average	At 0.5m/1W
Frequency Response	f0 ~ 20KHz	At -10dB
Rated Input Power	1.0 W	
Max Input Power	1.5 W	
Distortion	≤ 5 % 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	60±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	Φ9.5 x 1.5mm	
Operating Temp	-20°C~+60°C	
Storage Temp	-25°C~+70°C	
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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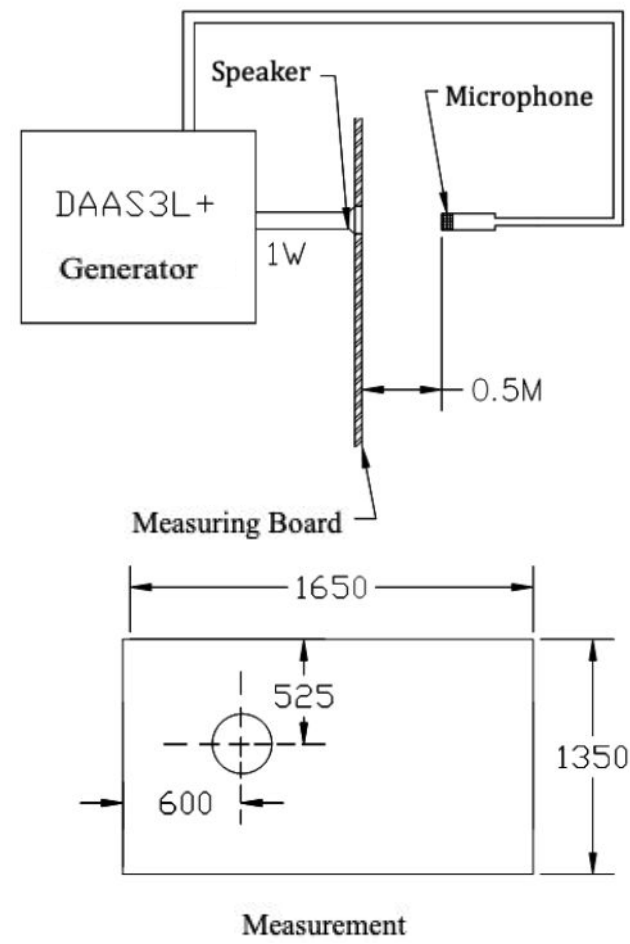
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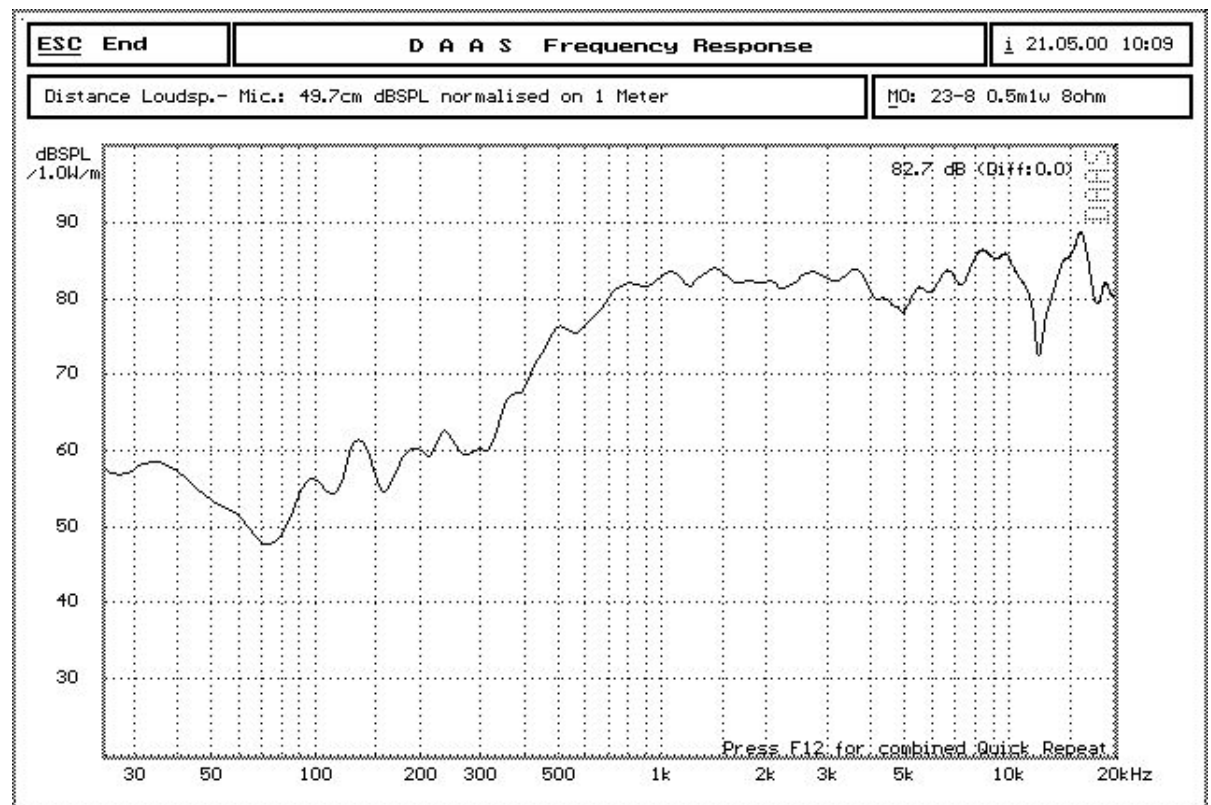
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## Measuring Circuit



## Typical Frequency Response Curve





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Tolerance:  $\pm 0.3\text{mm}$

