

DYNAMIC
SPEAKER UNIT

Acoustic Product Specification

Product Number: SP-4008Y



Release | Revision: A/2018

CONTENTS

This document contains the technical specifications for the dynamic speaker.

Page 1
Speaker Specification

Page 2
Measuring Circuit

Typical Frequency Response Curve

Page 3
Dimensions

Speaker Specification		
Item	Specification	Testing Condition
Dimensions	Ø40.0 x H7.7mm	
Voice Coil Impedance	4Ω ±15%	At 1,000Hz 1 V
Resonant Frequency	550±20%Hz	At 1.0 V
Output S.P.L.	90±2dB at 1.0, 1.2, 1.5, 2.0 KHz in average	At 0.1m/0.1W
Frequency Response	f0~10KHz	-10dB
Rated Input Power	2.0 W	
Max Input Power	3.0 W	
Operation	Must be normal	Program source 2.0 W
Noise	Must be normal	Sine wave 2.8 V
Heat Test	Meet items 8 & 9 after test	55±2℃ 16 hours
Humidity Test	Meet items 8 & 9 after test	40±2℃ 90~95%RH 48 hours
Load Test	Meet items 8 & 9 after test	2.0 W 100 hours white noise
Magnet	Φ12.5 x 1.5mm NdFeB	
Polarity	When a positive DC current is applied to the terminal marked(+), the diaphragm moves forward.	
Net Weight	14.5g	



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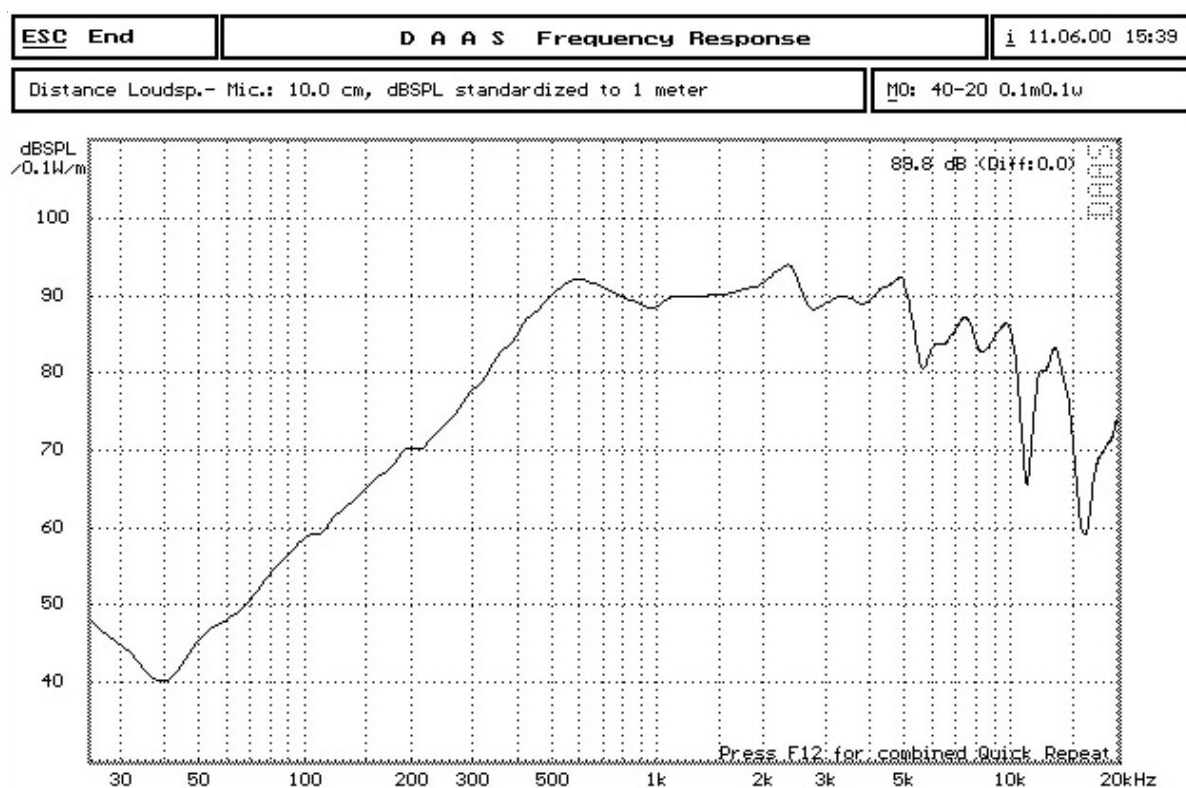
Typical Frequency Response Curve

Page 3

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Diagram illustrating the experimental setup for measuring the sound absorption coefficient. The setup includes a DAAS3L+ Generator connected to a Speaker and a Microphone. The Speaker is positioned on a Measuring Board, and the Microphone is positioned at a distance of 0.1M from the Speaker. The sound power is 0.1W. The dimensions of the measuring board are 1650 (width) x 1350 (height). The microphone is 525 units above the center of the board, and the speaker is 600 units from the left edge.

Typical Frequency Response Curve





soberton inc.

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

