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DYNAMIC SPEAKER UNIT

Acoustic Product Specification

Product Number: SP-4009Y



Release | Revision: A/2018

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This document contains the technical specifications for the dynamic speaker.

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| | Speaker Specification | |
|-------------------------|--|-----------------------------|
| ltem | Specification | Testing Condition |
| Dimensions | 20.0 x 40.0 x H8.1 mm | |
| Voice Coil Impedance | 8Ω±15% | At 1,500 Hz 1.0 V |
| Resonant Frequency | 600±20%Hz | |
| Output S.P.L. | 88±2dB at 1, 1.2, 1.5, 2.0 KHz in average | At 0.1m/0.1W |
| Frequency Response | f0~12KHz | -10dB |
| Rated Power | 1.0W | |
| Max Power | 1.5 W | |
| Distortion | ≤ 10 % | |
| Operation | Must be normal | Program source 1.0 W |
| Noise | Must be normal | Sine wave 2.8 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 x 1.5mm NdFeB | |
| Net Weight | 7.7g | |
| Polarity | When a positive DC current is applied to the terminal marked(+), the diaphragm moves forward. | |

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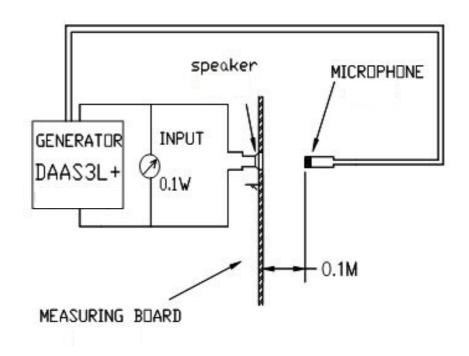
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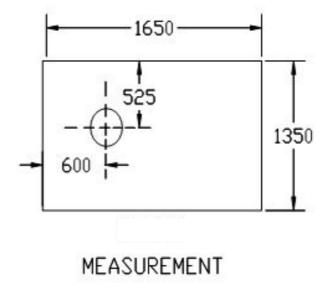
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Typical Frequency Response Curve

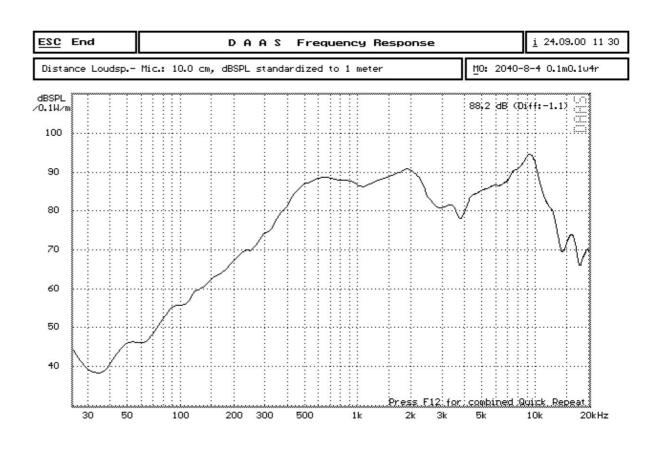
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Measuring Circuit





Typical Frequency Response Curve



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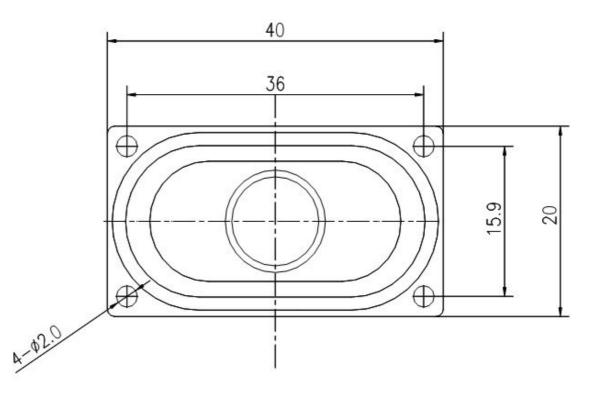
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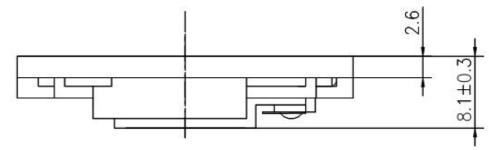
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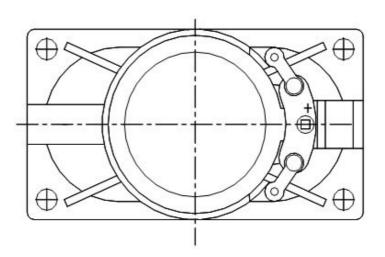
Page 3 Dimensions

Dimensions

Tolerance: ± 0.3mm







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