



BEST SOUND MIDRANGE

AUTOMOTIVE

BSM-165

The AVI Best Sound Midrange handmade speakers have passed their legacy to the next generation ! This BSM line 6.5 inch 2-way component speaker is designed and engineered for the unique in-car environment. With decades of experience for handmade loudspeakers, it's built to deliver the natural music reproduction and optimized sound quality. Even for the pickiest ears, BSM-165 will impress them with the sound they couldn't live without.



KEY FEATURES

- 6.5" Die Cast Aluminum Chassis
- 50mm Fiber Glass Voice Coil Former
- Ceramic Inverted-dome Cone
- 1,1" Silk Dome Tweeter
- 6 oct/ 24 oct Crossovers Design
- 120 x 15 Y35 Large Ferrite Magnet Design

T-S Parameters (tweeter/woofer)

Resonance frequency [Fs]	48Hz
Mechanical Q factor [Qms]	8.734
Electrical Q factor [Qes]	0.876
Equivalent Volume [Vas]	14.192
Total factor [Qts]	0.796
Force factor [Bl]	5.00
Sensitvlty [1W/1m]	84.5dB

Electrical Data (tweeter/woofer)

Frequency Response	48Hz-22,000Hz
Nominal Impedance	4Ω
Rated Power Handling	80W
Peak Power Handling	160W
Mid Woofer Voice Coil Diameter	49.55mm
Tweeter Voice Coil Diameter	28.3mm



AVI SOUND PRECISION LOUDSPEAKERS

AVI SOUND INTERNATIONAL LTD. 7271 ASH STREET RICHMOND, B.C. V6Y 2R9 CANADA

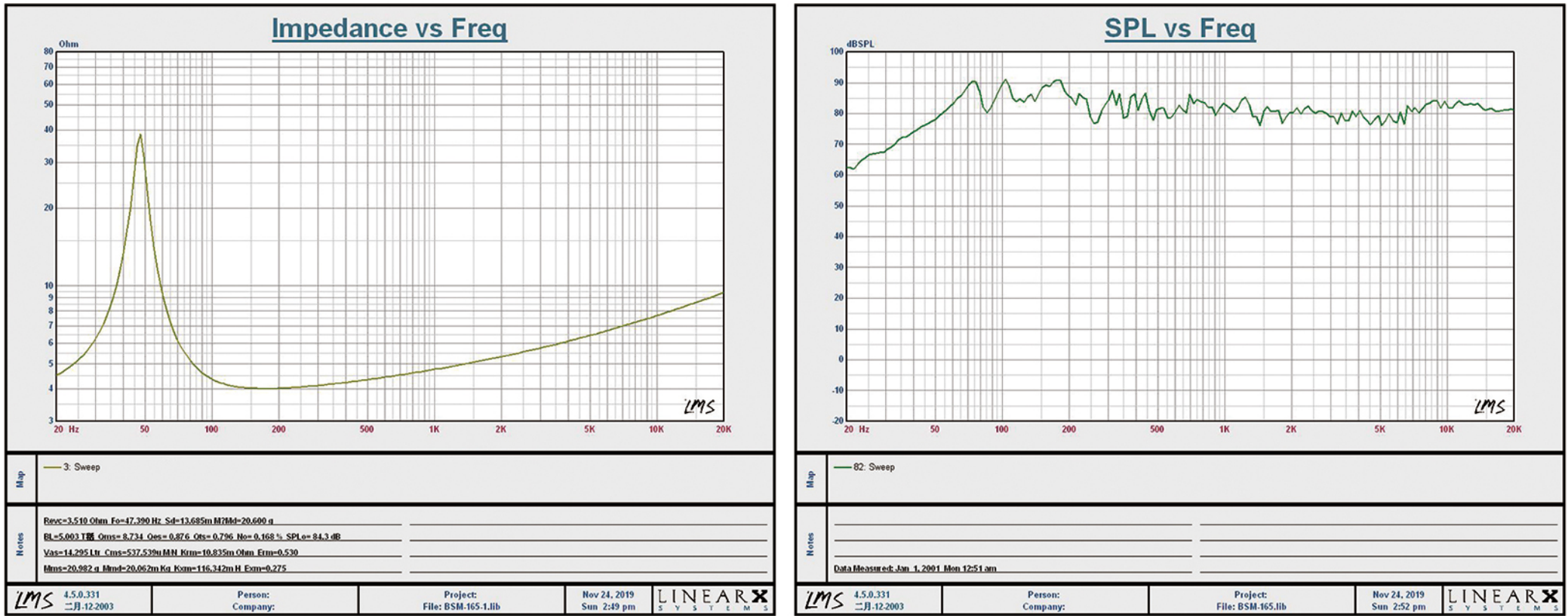


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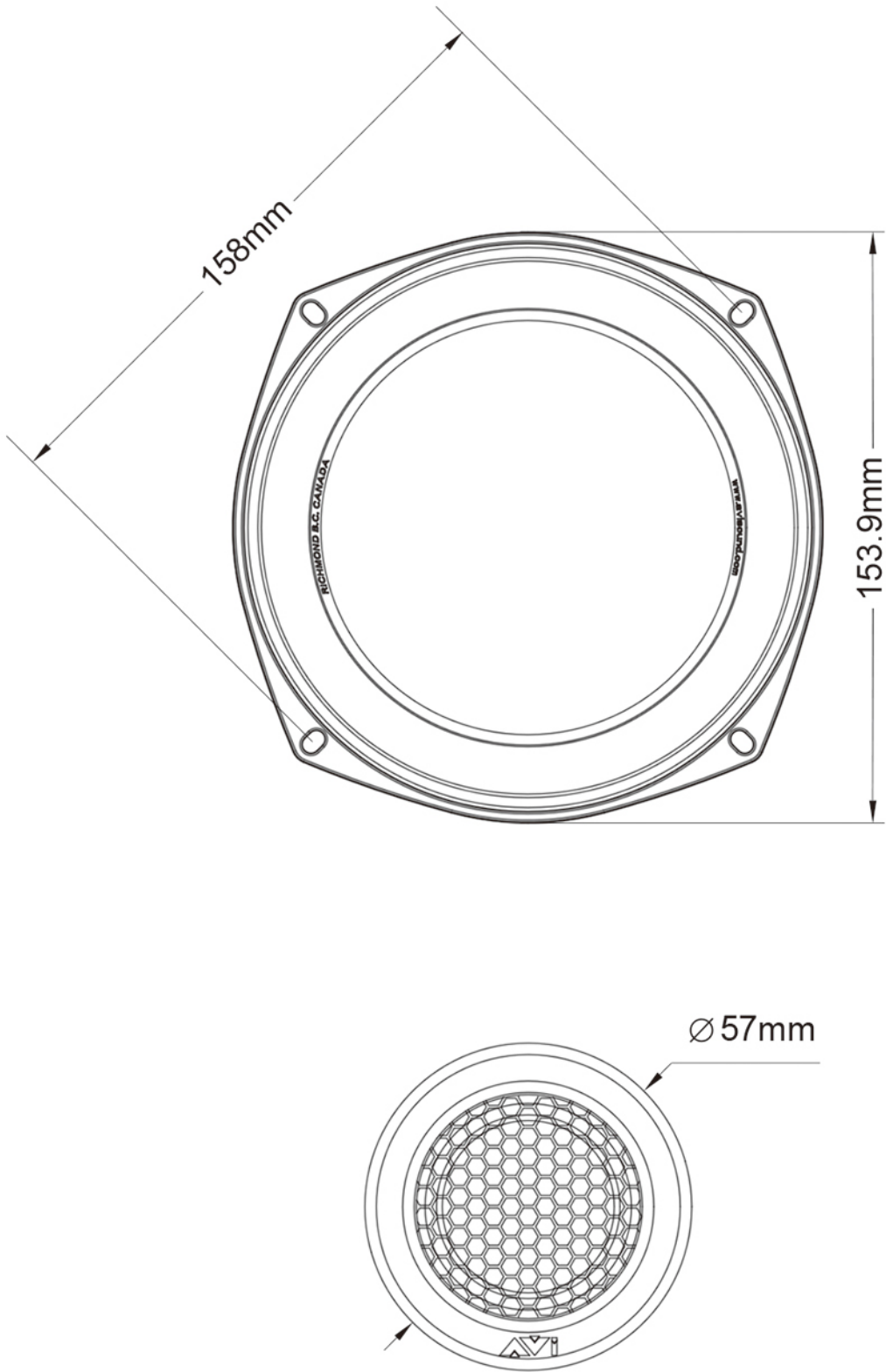
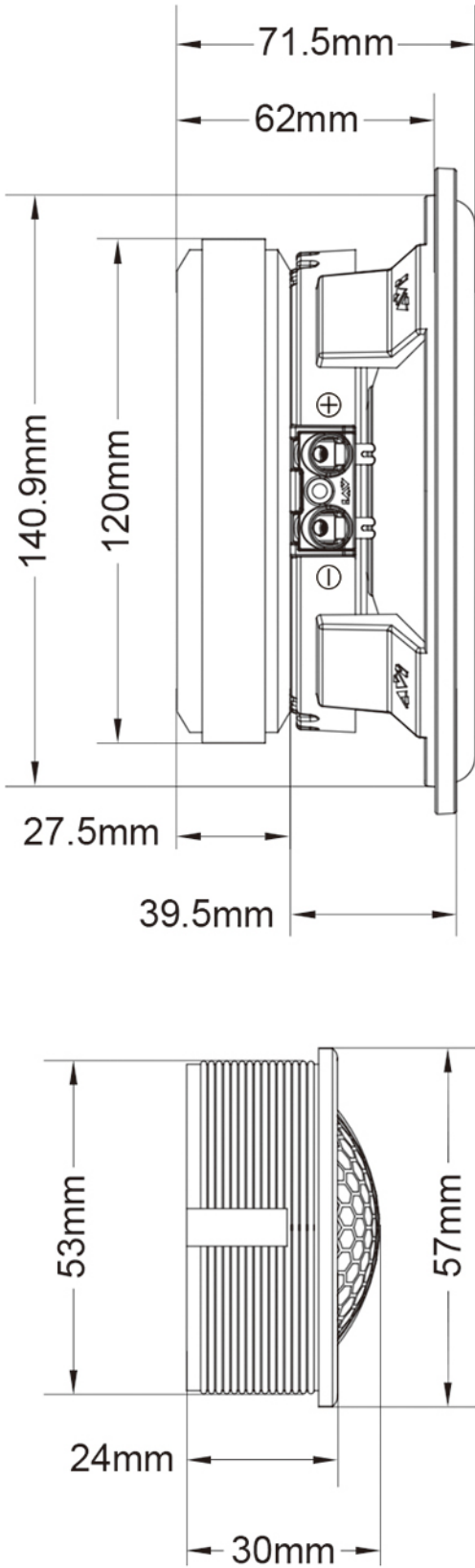
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BSM-165

Impedance / SPL Curves (woofer)



Dimensions



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AUTOMOTIVE

EL-165

The AVI Excellence handmade speakers have passed their legacy to the next generation ! This EL line 6.5 inch 2-way component speaker is designed and built for the unique demand of the car audio environment to deliver a well-balanced and accurate sound performance. Follow the AVI handmade loudspeaker history, to experience the merging of modern techniques and longlive legacy.



KEY FEATURES

- 6.5" Die Cast Aluminum Chassis
- Coated Paper Cone
- 1,1" Silk Dome Tweeter
- 35mm Fiber Glass Voice Coil Former with 4 Layers Voice Coils
- 12 Oct/18 Oct Crossover Design

T-S Parameters (tweeter/woofer)

Resonance frequency [Fs]	64.7Hz
Mechanical Q factor [Qms]	5.101
Electrical Q factor [Qes]	0.476
Equivalent Volume [Vas]	9.132
Total factor [Qts]	0.435
Force factor [Bl]	7.043
Sensitlvty [1W/1m]	89dB

Electrical Data (tweeter/woofer)

Frequency Response	65Hz-22,000Hz
Nominal Impedance	4Ω
Rated Power Handling	80W
Peak Power Handling	160W
Mid Woofer Voice Coil Diameter	35.55mm
Tweeter Voice Coil Diameter	25.4mm



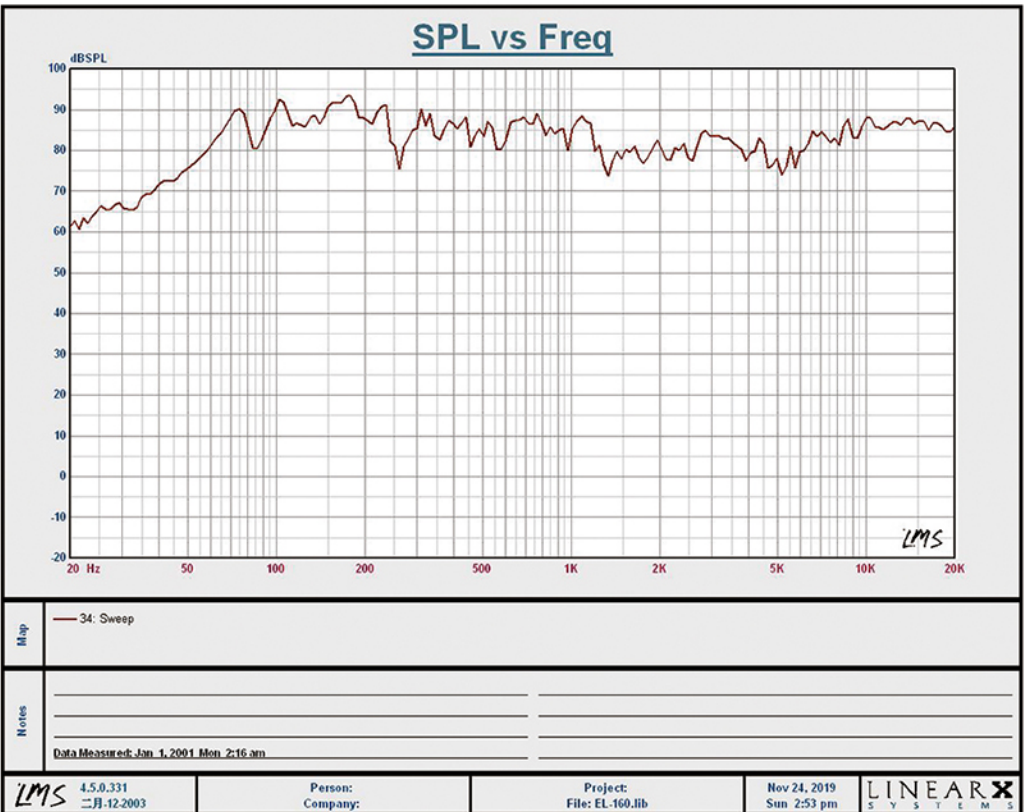
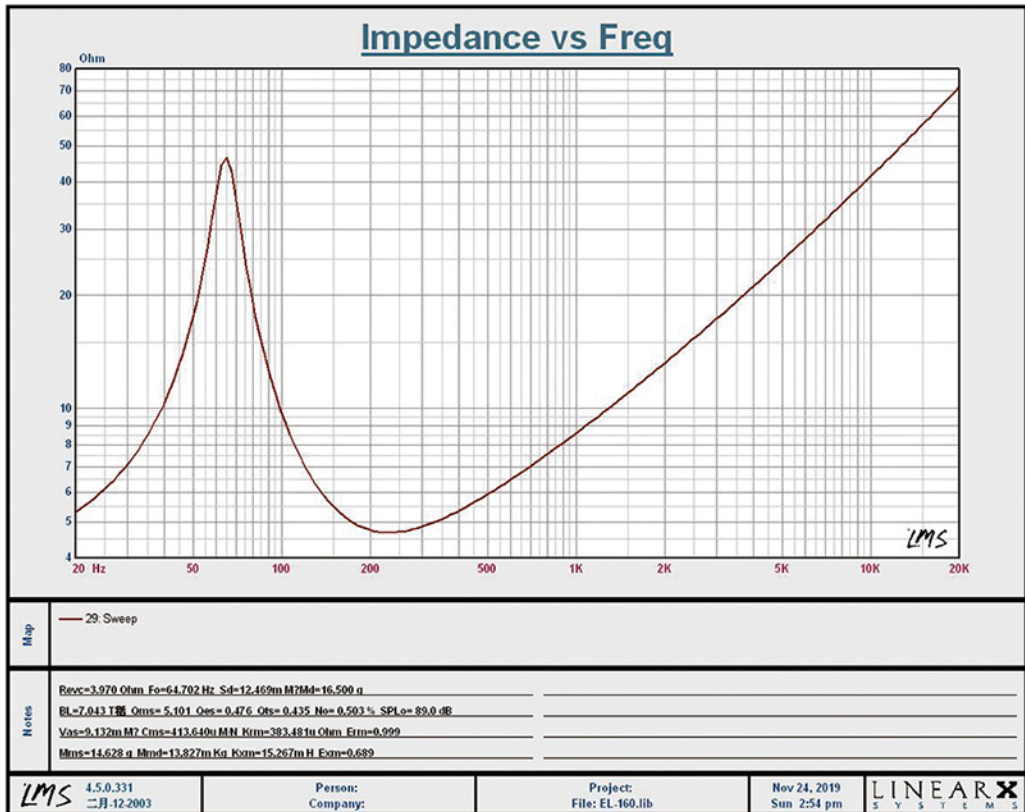


EXCELLENCE

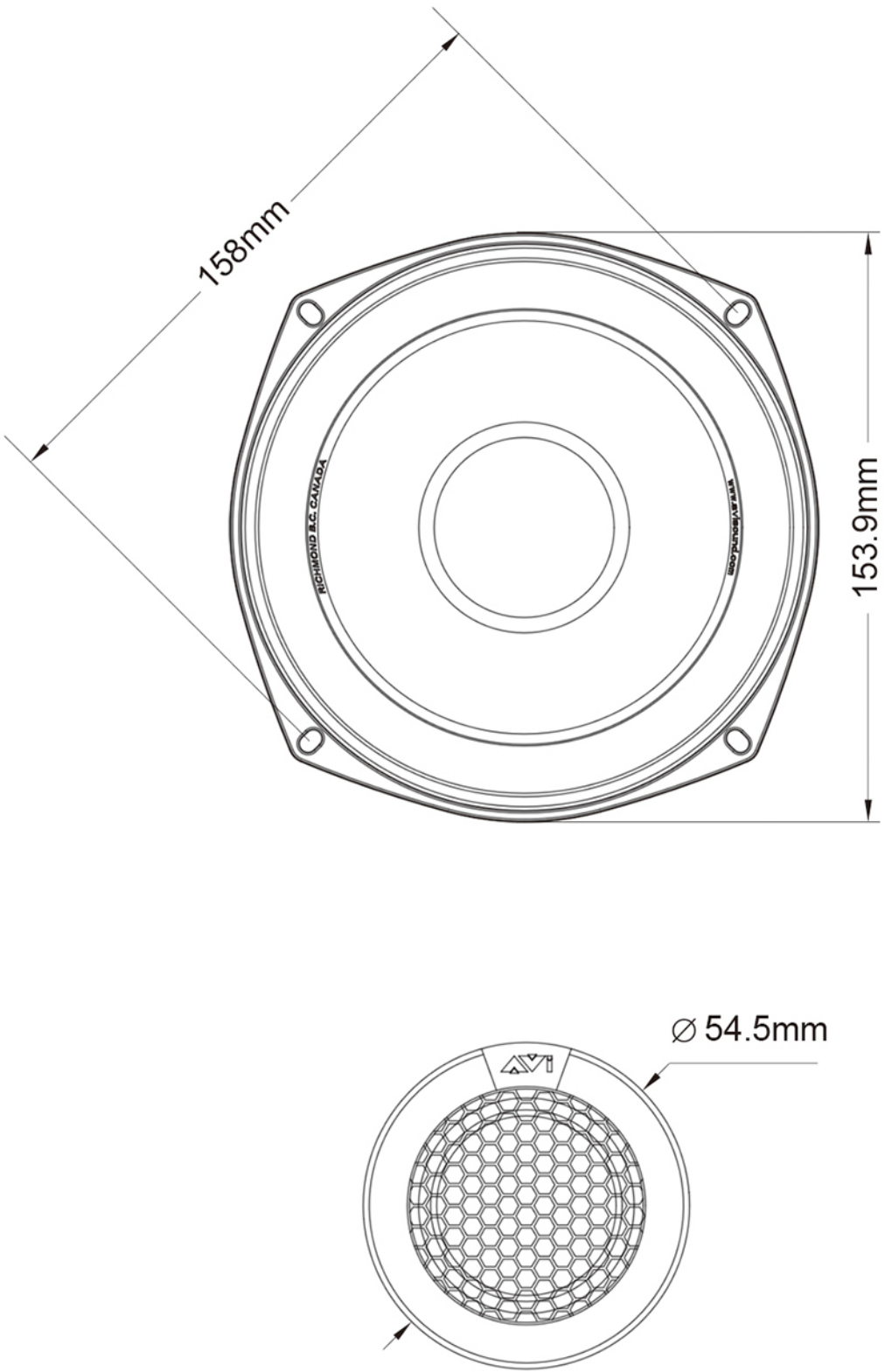
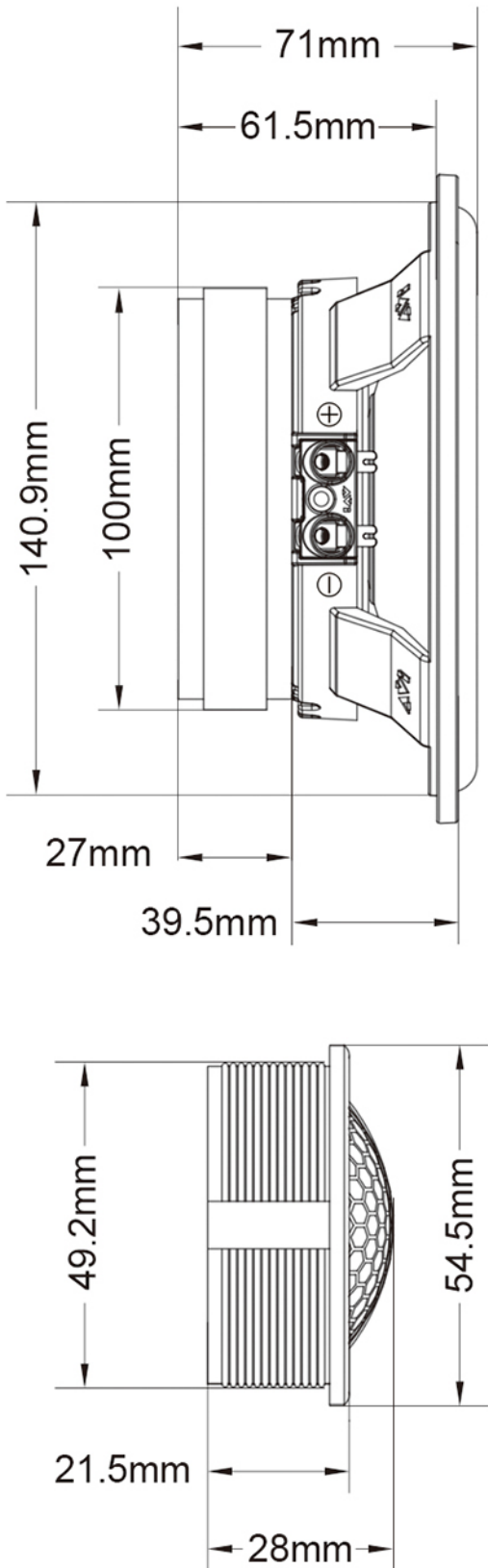
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Impedance / SPL Curves (woofer)



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