

● *Woofer model: AUGWL0013-JN02*

This 5.25 inch Aluminum Alloy woofer, Aluminum Die-Cast Frame with Mg-Li Alloy cone. It has good process ability and high yield for mass production. Because of this special raw material structure and unique processing technology, from magnesium lithium metal foil, the attributes of Magnesium Lithium offer high strength, good rigidity, good heat resistance, low density and so on.

● *Transducer front and side images:*



Prototype

● *Specifications:*

*T-S Parameters*

Resonance frequency [fs]	45.8 Hz
Mechanical Q factor [Qms]	2.17
Electrical Q factor [Qes]	0.42
Total Q factor [Qts]	0.352
Force factor [Bl]	4.308 Tm
Mechanical resistance [Rms]	1.718 kg/s
Moving mass [Mms]	12.9 g
Compliance [Cms]	0.934 mm/N
Effective diaph. diameter [D]	109 mm
Effective piston area [Sd]	78.54 cm <sup>2</sup>
Equivalent volume [Vas]	8.15 l
Sensitivity (2.83V/1m)	88 dB
Ratio Bl/√Re	2.26 N/√W
Ratio fs/Qts	130.1 Hz

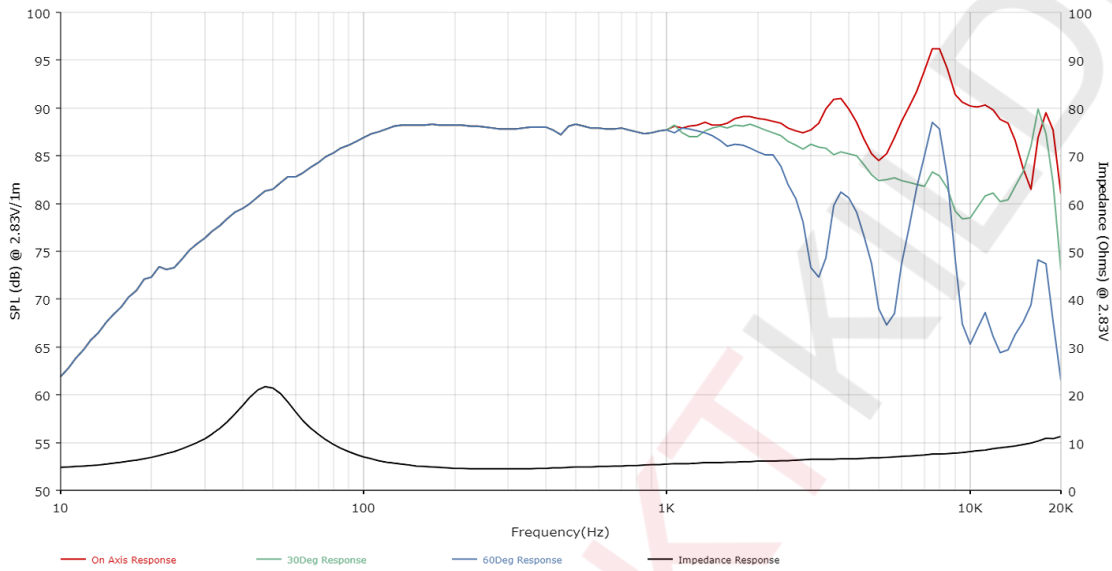
*Electrical Data*

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.15 Ω
Maximum impedance [Zo]	22 Ω
DC resistance [Re]	3.61 Ω
Voice coil inductance [Le]	0.133 mH
<i>Power Handling</i>	
100h RMS noise test (IEC 18.4)	50 W
Long-term max power (IEC 18.2)	80 W

*Voice Coil & Magnet Data*

Voice coil diameter	35.5 mm
Voice coil height	15.6 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 5 mm
Max mech. excursion	± 7 mm
Unit weight	1.53 kg

Frequency Response / Impedance Curve:



Transducer front and side images:

