

● *Woofer model: AUGWL0016-JN02*

This 6.5 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]	38.9 Hz
Mechanical Q factor [Qms]	2.57
Electrical Q factor [Qes]	0.391
Total Q factor [Qts]	0.339
Force factor [Bl]	6.882 Tm
Mechanical resistance [Rms]	2.122 kg/s
Moving mass [Mms]	22.3 g
Compliance [Cms]	0.75 mm/N
Effective diaph. diameter [D]	132.6 mm
Effective piston area [Sd]	141 cm ²
Equivalent volume [Vas]	21.111 l
Sensitivity (2.83V/1m)	90 dB
Ratio Bl/√Re	3.74 N/√W
Ratio fs/Qts	114.7 Hz

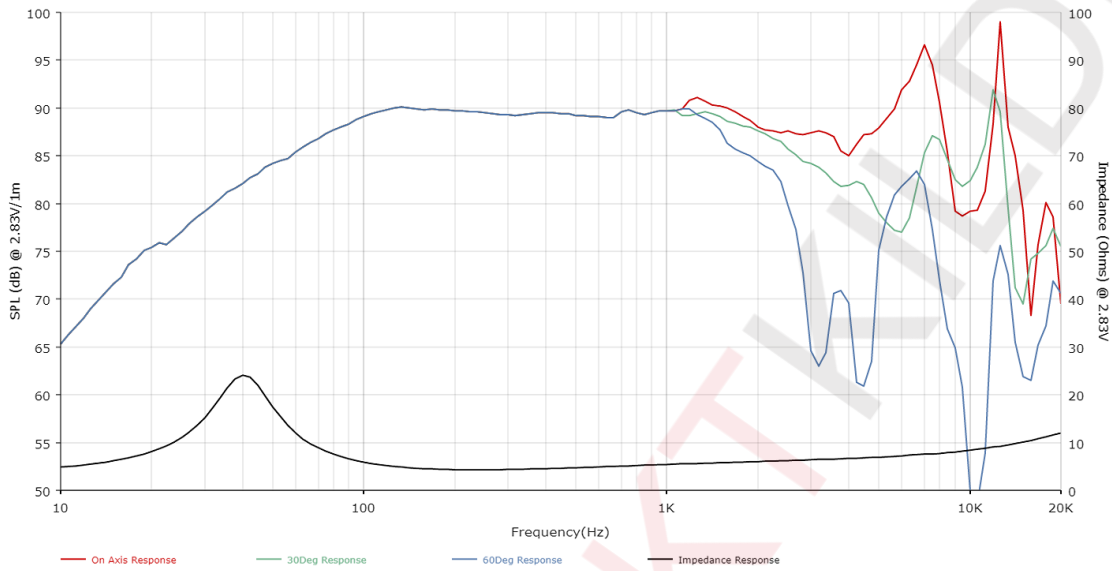
Electrical Data

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4 Ω
Maximum impedance [Zo]	25 Ω
DC resistance [Re]	3.396 Ω
Voice coil inductance [Le]	0.144 mH
<i>Power Handling</i>	
100h RMS noise test (IEC 18.4)	80 W
Long-term max power (IEC 18.2)	100 W

Voice Coil & Magnet Data

Voice coil diameter	49.5 mm
Voice coil height	16 mm
Voice coil layers	2
Height of gap	6 mm
Linear excursion	± 6 mm
Max mech. excursion	± 8 mm
Unit weight	2.4 kg

Frequency Response / Impedance Curve:



Transducer front and side images:

