

● *Woofer model: AUGWL0010-JN09*

This 4 inch woofer, features 1 inch voice coil with CCAW, aluminum former, and Neodymium magnet motor system. The main cone body uses PULP with the carbon fiber to make sure the driver has a better stiffness and lower distortion. What's more, U-yoke is embedded in the bracket to reduce overall height without affecting amplitude, and the overall design meets the requirements for ultra-thin performance.

● *Transducer front and side images:*



Prototype

● *Specifications:*

*T-S Parameters*

Resonance frequency [fs]	110.1 Hz
Mechanical Q factor [Qms]	5.3
Electrical Q factor [Qes]	1.002
Total Q factor [Qts]	0.843
Force factor [Bl]	5.297 Tm
Mechanical resistance [Rms]	0.767 kg/s
Moving mass [Mms]	5.877 g
Compliance [Cms]	0.355 mm/N
Effective diaph. diameter [D]	82 mm
Effective piston area [Sd]	84.75 cm <sup>2</sup>
Equivalent volume [Vas]	1.4028 l
Sensitivity (2.83V/1m)	85 dB
Ratio Bl/√Re	2.015 N/√W
Ratio fs/Qts	130.60 Hz

*Electrical Data*

Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.5 Ω
Maximum impedance [Zo]	36.04 Ω
DC resistance [Re]	6.91 Ω
Voice coil inductance [Le]	0.541 mH

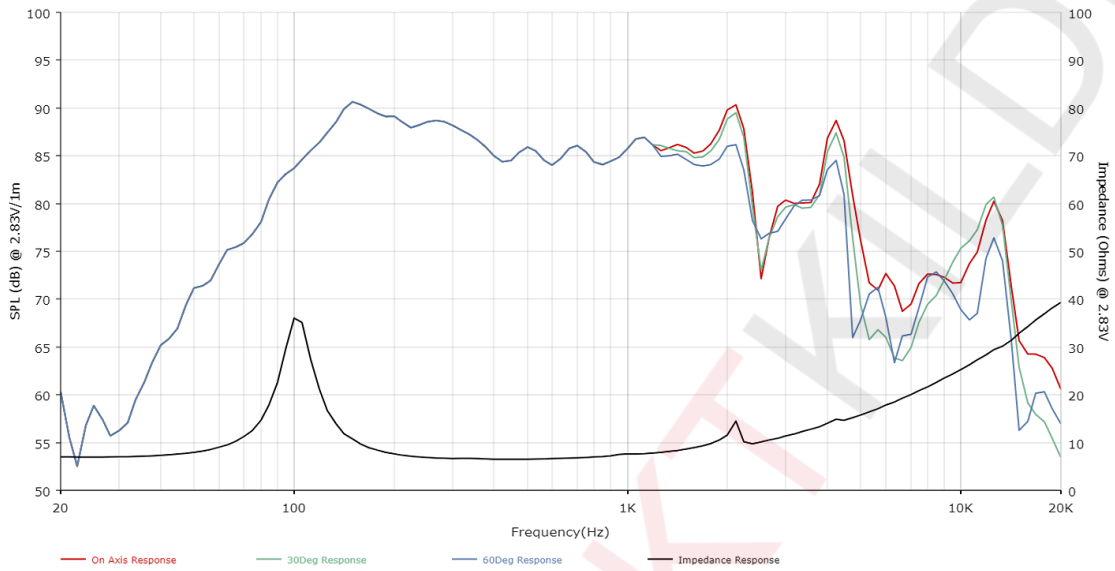
*Power Handling*

100h RMS noise test (IEC 18.4)	5 W
Long-term max power (IEC 18.2)	10 W

*Voice Coil & Magnet Data*

Voice coil diameter	25.4 mm
Voice coil height	6.3 mm
Voice coil layers	4
Height of gap	4 mm
Linear excursion	± 1.1 mm
Max mech. excursion	± 4.0 mm
Unit weight	0.133 kg

Frequency Response / Impedance Curve:



Transducer front and side images:

