

● *Woofer model: AUGWL0008-JN06*

This 3 inch woofer, features 1 inch voice coil with CCAW, aluminum former, and neodymium magnet motor system. Main cone body uses PULP with patented carbon fiber to make sure the speaker 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]	136.3 Hz
Mechanical Q factor [Qms]	7.064
Electrical Q factor [Qes]	1.122
Total Q factor [Qts]	0.968
Force factor [Bl]	5.185 Tm
Mechanical resistance [Rms]	0.638 kg/s
Moving mass [Mms]	5.265 g
Compliance [Cms]	0.259 mm/N
Effective diaph. diameter [D]	72 mm
Effective piston area [Sd]	40.72 cm <sup>2</sup>
Equivalent volume [Vas]	0.6073 l
Sensitivity (2.83V/1m)	84 dB
Ratio Bl/√Re	2.006 N/√W
Ratio fs/Qts	140.81 Hz

*Electrical Data*

Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.8 Ω
Maximum impedance [Zo]	43.82 Ω
DC resistance [Re]	6.82 Ω
Voice coil inductance [Le]	0.487 mH

*Power Handling*

100h RMS noise test (IEC 17.1)	5 W
Long-term max power (IEC 17.3)	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	± - mm
Unit weight	0.126 kg

● Frequency Response / Impedance Curve:



● Transducer front and side images:

