

● *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 ² |
| 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 |

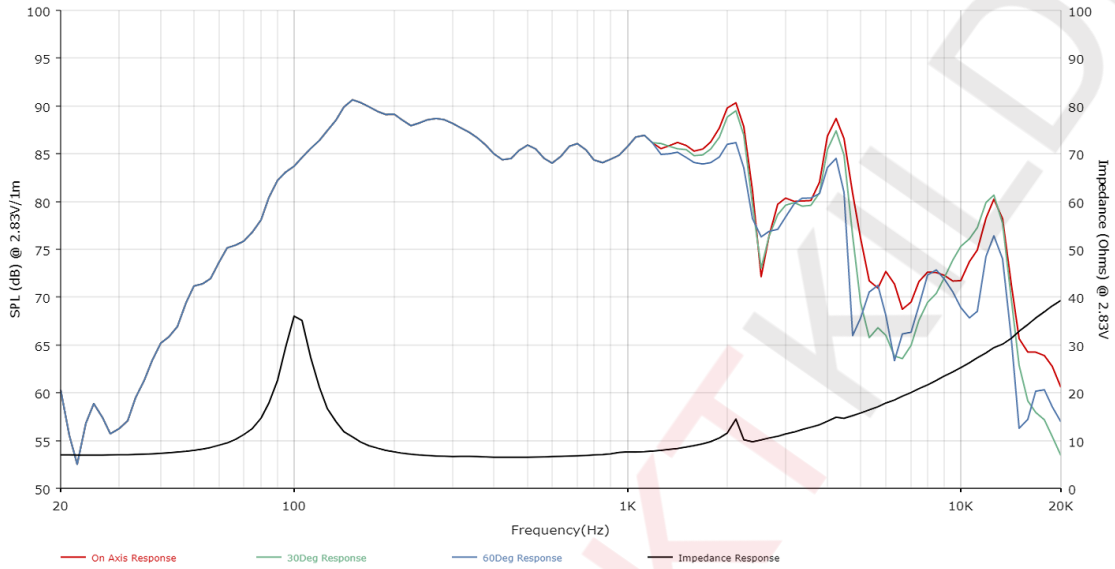
Power Handling

| | |
|--------------------------------|------|
| 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 | ± - mm |
| Unit weight | 0.133 kg |

● Frequency Response / Impedance Curve:



● Transducer front and side images:

