

● **Woofer model:** AUGWL0013-JN01

5.25" 4ohm Sub-woofer driver, with dual rubber surround and black anodized Aluminium cone. A double suspension(patent) loudspeaker, with elimination of the limits from traditional single suspension loudspeaker, resulted in more diverse and slim design. The voice coil former and pole piece are vented hole so as to reduce air compression under high excursion condition.

● **Transducer front and side images:**



Prototype



● **Specifications:**

T-S Parameters

Resonance frequency [fs]	73.3 Hz
Mechanical Q factor [Qms]	4.530
Electrical Q factor [Qes]	0.575
Total Q factor [Qts]	0.511
Force factor [Bl]	6.610 Tm
Mechanical resistance [Rms]	16.05 kg/s
Moving mass [Mms]	15.169 g
Compliance [Cms]	0.294 mm/N
Effective diaph. diameter [D]	104 mm
Effective piston area [Sd]	84.95 cm ²
Equivalent volume [Vas]	2.9984 l
Sensitivity (2.83V/1m)	85 dB
Ratio Bl/√Re	3.585 N/√W
Ratio fs/Qts	143.44 Hz

Electrical Data

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.3 Ω
Maximum impedance [Zo]	29.05 Ω
DC resistance [Re]	3.40 Ω
Voice coil inductance [Le]	0.701 mH
Power Handling	
100h RMS noise test (IEC 17.1)	15 W
Long-term max power (IEC 17.3)	20 W

Voice Coil & Magnet Data

Voice coil diameter	25.4 mm
Voice coil height	12.9 mm
Voice coil layers	4
Height of gap	6 mm
Linear excursion	± 3.45 mm
Max mech. excursion	± - mm
Unit weight	0.659 kg

● Frequency Response / Impedance Curve:



● Transducer front and side images:

