

● *Woofer model: AUGWL0009–JN01*

This 3.5 inch woofer, The main design features include a mineral-filled plastic basket, and a venting Dual Neodymium magnet motor system. Ferro-fluid cooled to further lowering the distortion level. The main cone body uses black Anodized Aluminium cone , with one piece Anodized Aluminium dust cap, which is directly couple to voice coil. This product is designed for portable and compact applications.

● *Transducer front and side images:*



Prototype

● *Specifications:*

T-S Parameters

Resonance frequency [fs]	94.7 Hz
Mechanical Q factor [Qms]	3.894
Electrical Q factor [Qes]	0.54
Total Q factor [Qts]	0.477
Force factor [Bl]	5.019 Tm
Mechanical resistance [Rms]	1.416 kg/s
Moving mass [Mms]	9.267 g
Compliance [Cms]	0.305 mm/N
Effective diaph. diameter [D]	74 mm
Effective piston area [Sd]	43.01 cm ²
Equivalent volume [Vas]	0.7977 l
Sensitivity (2.83V/1m)	87 dB
Ratio Bl/√Re	3.19 N/√W
Ratio fs/Qts	198.5 Hz

Electrical Data

Nominal impedance [Zn]	3 Ω
Minimum impedance [Zmin]	2.45 Ω
Maximum impedance [Zo]	11.18 Ω
DC resistance [Re]	2.48 Ω
Voice coil inductance [Le]	0.378 mH

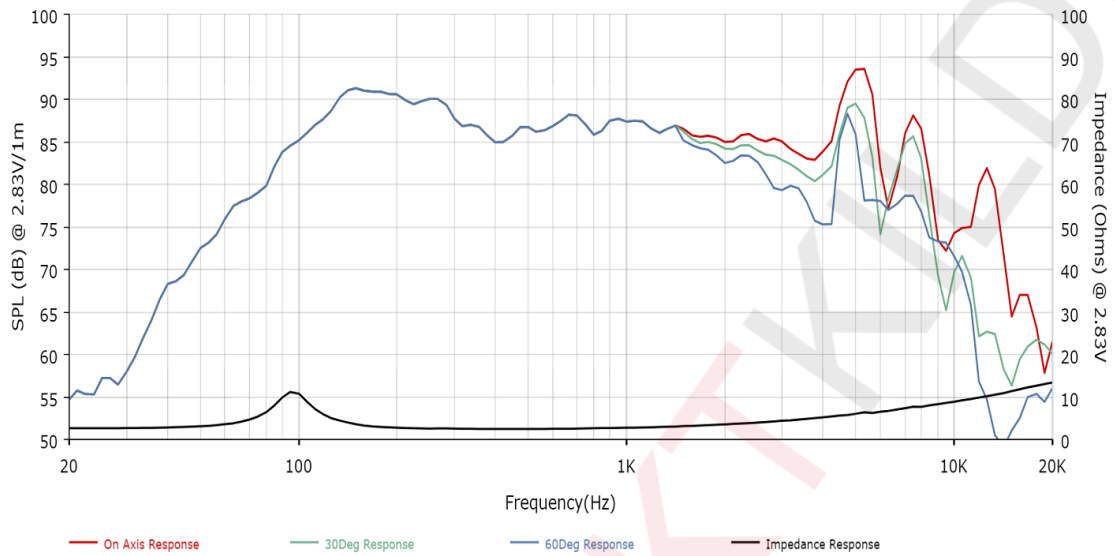
Power Handling

100h RMS noise test (IEC 18.4)	10 W
Long-term max power (IEC 18.2)	15 W

Voice Coil & Magnet Data

Voice coil diameter	25.4 mm
Voice coil height	11.5 mm
Voice coil layers	4
Height of gap	4.0 mm
Linear excursion	± 3.75 mm
Max mech. excursion	± - mm
Unit weight	0.175 kg

● Frequency Response / Impedance Curve:



● Transducer front and side images:

