

● **Woofer model:** AUGWL0009–JN01

This 3.5" woofer, main design features include a mineral-filled plastic basket, and a venting Dual Neo magnet system. Ferro-fluid cooled to further lowering the distortion level. 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)	83 dB
Ratio Bl/√Re	3.19 N/√W
Ratio fs/Qts	198.5 Hz

Electrical Data

Nominal impedance [Zn]	3 Ω
Minimum impedance [Zmin]	2.34 Ω
Maximum impedance [Zo]	19.05 Ω
DC resistance [Re]	2.48 Ω
Voice coil inductance [Le]	0.378 mH

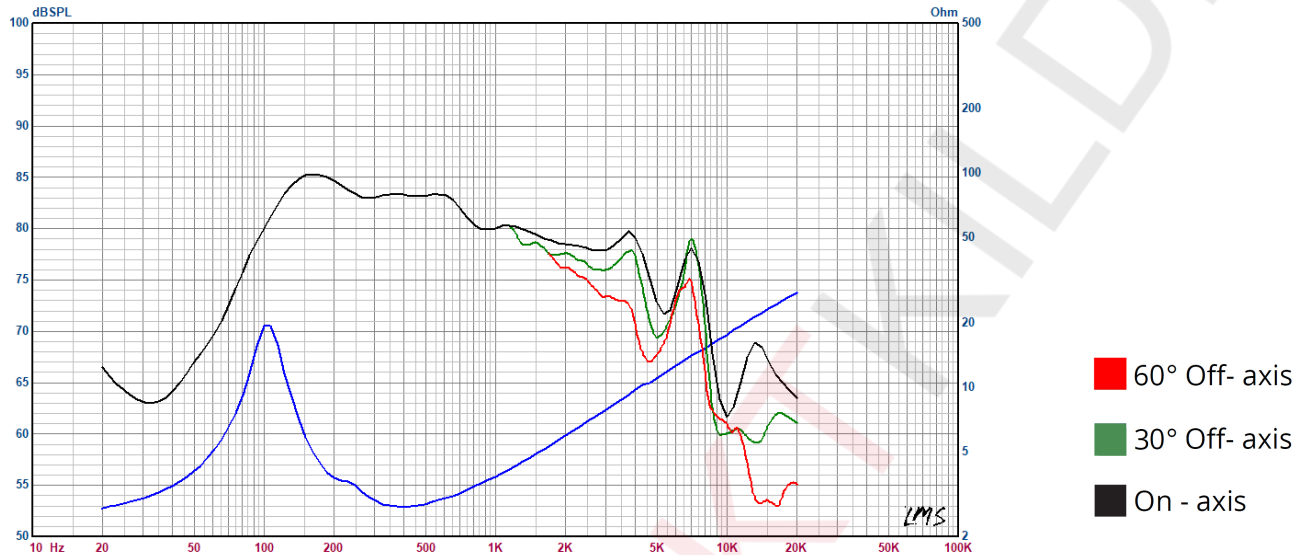
Power Handling

100h RMS noise test (IEC 17.1)	10 W
Long-term max power (IEC 17.3)	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	3.5 mm
Linear excursion	± 3.75 mm
Max mech. excursion	± - mm
Unit weight	0.175 kg

● Frequency Response / Impedance Curve:



● Transducer front and side images:

