

● *Fullrange model: AUGFL0005-JN08*

This 2 inch Fullrange driver features an 1 inch voice coil with CCAW, diaphragm is consisted by Aluminum material with rubber surround. In term of magnet motor system, magnet is consisted by Neodymium material for low distortion, which can extend the high frequency response to 40 KHz. This product is designed for premium speaker applications.

● *Transducer front and side images:*



Prototype



● *Specifications:*

T-S Parameters

| | |
|-------------------------------|-----------------------|
| Resonance frequency [fs] | 140 Hz |
| Mechanical Q factor [Qms] | 1.981 |
| Electrical Q factor [Qes] | 0.635 |
| Total Q factor [Qts] | 0.481 |
| Force factor [Bl] | 2.847 Tm |
| Mechanical resistance [Rms] | 0.809 kg/s |
| Moving mass [Mms] | 1.775 g |
| Compliance [Cms] | 0.69 mm/N |
| Effective diaph. diameter [D] | 44 mm |
| Effective piston area [Sd] | 15.21 cm ² |
| Equivalent volume [Vas] | 226 l |
| Sensitivity (2.83V/1m) | 85 dB |
| Ratio Bl/√Re | 1.589 N/√W |
| Ratio fs/Qts | 298.9 Hz |

Electrical Data

| | |
|----------------------------|----------|
| Nominal impedance [Zn] | 4 Ω |
| Minimum impedance [Zmin] | 3.53 Ω |
| Maximum impedance [Zo] | 13.672 Ω |
| DC resistance [Re] | 3.21 Ω |
| Voice coil inductance [Le] | 0.019 mH |

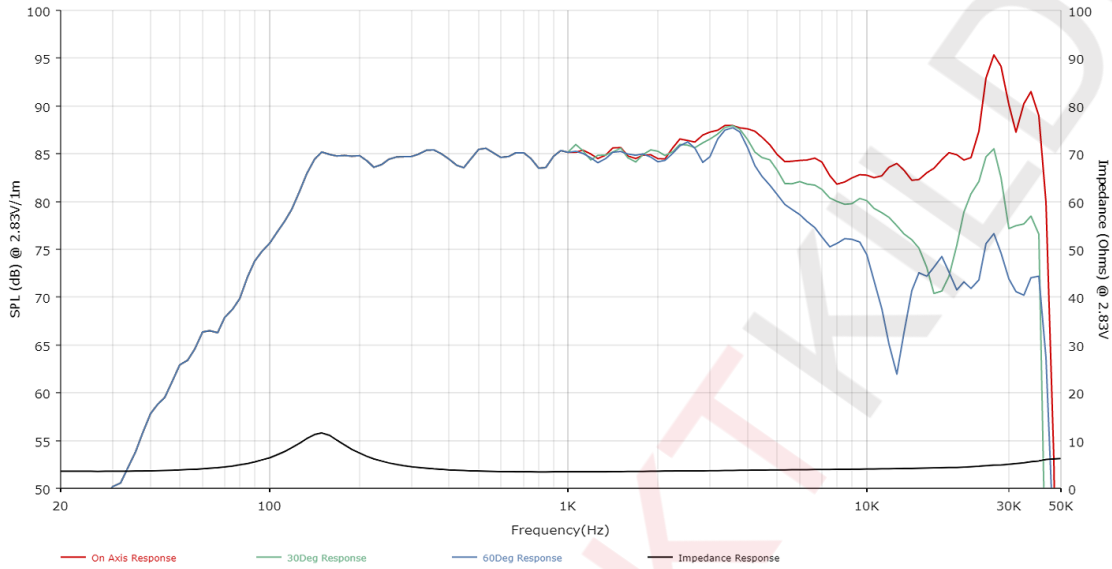
Power Handling

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

Voice Coil & Magnet Data

| | |
|---------------------|-----------|
| Voice coil diameter | 25.4 mm |
| Voice coil height | 6.0 mm |
| Voice coil layers | 2 |
| Height of gap | 3.5 mm |
| Linear excursion | ± 1.25 mm |
| Max mech. excursion | ± - mm |
| Unit weight | 0.15 kg |

Frequency Response / Impedance Curve:



Transducer front and side images:

