PUNKTKILDE®

Datasheet updated: 21-11-2019

Tweeter model: AUGDL0003-JN05

This 1 inch tweeter, features 4 inch Aluminum alloy front panel, Al-Mg alloy dome with soft surround, and ferrite magnet motor system. It has good process ability and high yield for mass production. Because of this special raw material structure and unique processing technology, the attributes of Aluminum offer high strength, good rigidity, good heat resistance, low density and so on.

Transducer front and side images:

Specifications:

T-S Parameters

Resonance frequency [fs]	656 Hz
Mechanical Q factor [Qms]	1.403
Electrical Q factor [Qes]	1.212
Total Q factor [Qts]	0.65
Force factor [Bl]	2.258 Tm
Mechanical resistance [Rms]	1.083 kg/s
Moving mass [Mms]	0.369 g
Compliance [Cms]	0.16 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7.07 cm²
Equivalent volume [Vas]	0.0113 l
Sensitivity (2.83V/1m)	90 dB
Ratio Bl/√Re	1.20 N/√W
Ratio fs/Qts	1009.2 Hz

Electrical Data

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.95 Ω
Maximum impedance [Zo]	6.82 Ω
DC resistance [Re]	3.53 Ω
Voice coil inductance [Le]	0.016 mH

Power Handling

100h RMS noise test (IEC 18.4)	20 W
Long-term max power (IEC 18.2)	30 W

Voice Coil & Magnet Data

Voice coil diameter	25.4 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± - mm
Unit weight	0.66 kg

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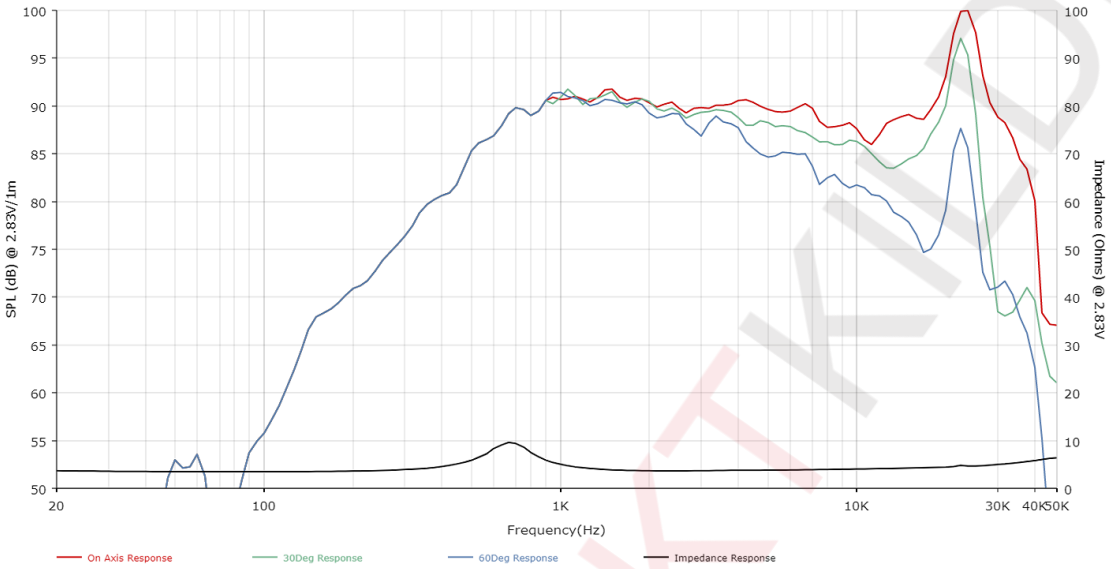
Frequency Response / Impedance Curve:



Transducer front and side images: