

● *Woofer model: ASDWDB502-0800*

This 8 ohm, 12 inch Woofer driver features a strong Ferrite magnet motor with long-throw 3" CCAW voice coil to provide the high excursion performance, customized aluminum shorting ring to eliminate the distortion at low frequency, semi-pressed paper cone collocation with rubber surround and aluminum frame to create sonorous sound experience. This woofer is one of the kind for the high power woofer sound systems.

● *Transducer front and side images:*



● *Specifications:*

T-S Parameters

Resonance frequency [fs]	34 Hz
Mechanical Q factor [Qms]	8.45
Electrical Q factor [Qes]	0.299
Total Q factor [Qts]	0.287
Force factor [Bl]	18.47 Tm
Mechanical resistance [Rms]	2.117 kg/s
Moving mass [Mms]	84.73 g
Compliance [Cms]	0.265 mm/N
Effective diaph. diameter [D]	260 mm
Effective piston area [Sd]	530.93 cm ²
Equivalent volume [Vas]	105.64 l
Sensitivity (2.83V/1m)	95 dB
Ratio Bl/√Re	7.875 N/√W
Ratio fs/Qts	118.4 Hz

Electrical Data

Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.37 Ω
Maximum impedance [Zo]	97.06 Ω
DC resistance [Re]	5.5 Ω
Voice coil inductance [Le]	0.41 mH

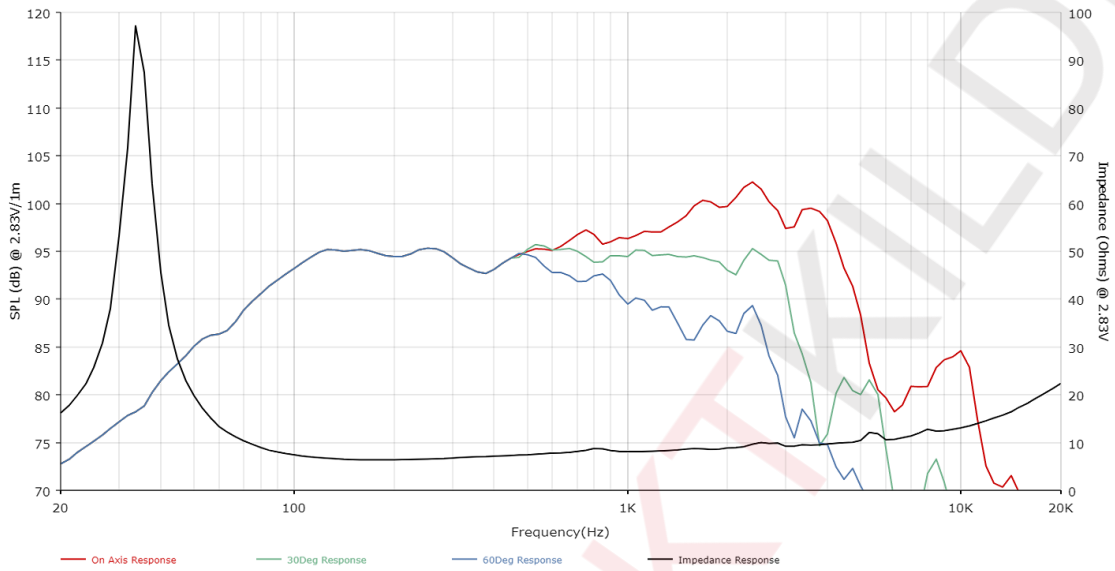
Power Handling

100h RMS noise test (IEC 18.4)	250 W
Long-term max power (IEC 18.2)	W

Voice Coil & Magnet Data

Voice coil diameter	75.5 mm
Voice coil height	20.5 mm
Voice coil layers	1
Height of gap	13 mm
Linear excursion	± 3.75 mm
Max mech. excursion	± - mm
Unit weight	10 kg

● Frequency Response / Impedance Curve:



● Transducer front and side images:

