beyma))

PROFESSIONAL LOUDSPEAKERS
www.beyma.com

# PRO6WNd

CAR AUDIO

KEY FEATURES

- Real 150 w RMS power handling
- Sensitivity: 97dB @ 2.83v
- 2" (51.7mm) aluminium voice coil.
- Low weight due to the neodymium magnet system

TECHNICAL SPECIFICATIONS

Nominal diameter	165 mm. 6.5 in.
Rated impedance	4 ohms
Minimum impedance	4 ohms
Power capacity*	150 w RMS
Program power	300 w
Sensitivity	97 dB 2.83v @ 1m @ 2π
Frequency range	70 - 9000 Hz
Recom. enclosure vol.	10 / 30 l 0.35 / 1.06 ft.³
Voice coil diameter	51.7 mm. 2 in.
Magnetic assembly weight	1.5 kg. 3.3 lb.
BL factor	11 N / A
Moving mass	0.014 kg.
Voice coil length	9 mm
Air gap height	7 mm
X damage (peak to peak)	20 mm
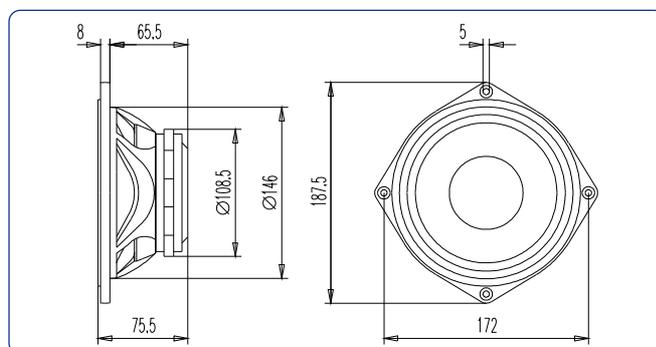
THIELE-SMALL PARAMETERS**

Resonant frequency, fs	92 Hz
D.C. Voice coil resistance, Re	3.9 ohms
Mechanical Quality Factor, Qms	6.52
Electrical Quality Factor, Qes	0.27
Total Quality Factor, Qts	0.26
Equivalent Air Volume to Cms, Vas	5.75 l
Mechanical Compliance, Cms	210 μm / N
Mechanical Resistance, Rms	1.35 kg / s
Efficiency, ηo (%)	1.63
Effective Surface Area, Sd (m²)	0.0140 m²
Maximum Displacement, Xmax*	3 mm
Displacement Volume, Vd	42 cm³
Voice Coil Inductance, Le @ 1 kHz	0.4mH

DIMENSION DRAWINGS

MOUNTING INFORMATION

|		
Overall diameter	187.5 mm.	7.38 in.
Bolt circle diameter	172 mm.	6.77 in.
Baffle cutout diameter:		
- Front mount	146 mm.	5.74 in.
- Rear mount	146 mm.	5.74 in.
Depth	75.5 mm.	2.97 in.
Volume displaced by driver	0.55 l	0.02 ft.³
Net weight	1.7 kg.	3.74 lb.
Shipping weight	2.3 kg.	5.06 lb.

Notes:

*The power capacity is determined according to AES2-1984 (r2003) standard.
Program power is defined as the transducer's ability to handle normal music program material.

**T-S parameters are measured after an exercise period using a preconditioning power test.

***The Xmax is calculated as (Lvc - Hag)/2 + Hag/3.5, where Lvc is the voice coil length and Hag is the air gap height.

FREQUENCY RESPONSE AND DISTORTION
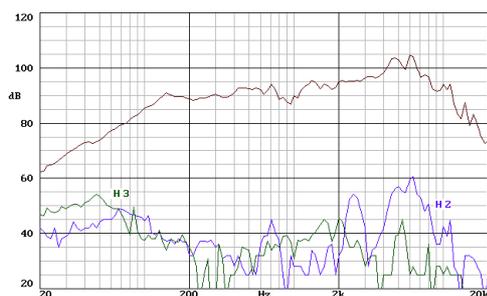
Note: on axis frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1w @ 1m.

FREE AIR IMPEDANCE CURVE