

Oberton 8 MB 201



KEY FEATURES:

- 93 db 1W / 1m average sensitivity
- 51 mm high temperature voice coil
- 400 W AES program power
- Powerful, ferrite 134 mm magnet structure
- Water protected cone (front)

Application : Midbass speaker

The **8MB201** loudspeaker is combining good efficiency and 200W power capacity with use of 51 mm voice coil. It features aluminium die cast frame, 134 mm magnet structure and curvilinear paper cone. **8MB201** is intended for use as a direct radiating mid-bass speaker for small 2-way boxes.

SPECIFICATIONS

Nominal Diameter	8"/203mm
Impedance	8 Ohm
Minimum Impedance	6.72 Ohm
Power Capacity AES ¹	200 W
Program Power ²	400 W
Sensitivity	(200-2000 Hz) 93 dB/W/m
Frequency Range	65 - 3000 Hz
Voice Coil Diameter	51 mm
Voice Coil Material	Aluminium
Voice Coil Former	Kapton™
Voice Coil Winding Depth	17.5 mm
Magnet Gap Depth	7 mm
Cone Material	Paper with glassfiber
Basket	Die cast aluminium
Magnet	Ferrite
Flux Density	1.35 T

THIELE-SMALL PARAMETERS

Resonance Frequency	67.7 Hz
Mechanical Efficiency Factor (Qms)	6,24
Electrical Efficiency Factor (Qes)	0.33
Total Q (Qts)	0.314
Equivalent Air Volume (Vas)	14.74 Liters
Diaphragm mass ind. airload (Mms)	21 Grams
Voice Coil Resistance Re	5.8 Ohms
Effective Diagram Area (Sd)	200 cm ²
Peak Linear Displacement of Diaphragm (Xmax)*	+/- 7 mm
Mechanical Compliance of Suspension (Cms)	0.264 mm/N
BL Product (BL)	12.54 T.m
V.C. Inductance at 1 kHz (Le)	0.80 mH

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 18 L box enclosure tuned 82 Hz using a 60 - 2000 Hz band limited pink noise test signal applied continuously for 2 hours.

2. Program power is defined as 3db greater than AES Power Capacity.

* Linear Mathematical Xmax is calculated as: $(Hvc - Hg)/2 + Hg/4$ where Hvc is the voice coil depth and Hg is the gap depth.

MOUNTING INFORMATION

Overall Diameter	225 mm
Baffle Hole Diameter	187 mm
Number of Mounting Holes	8 with dia. 6.5 mm
Bolt Circle Diameter	210 mm
Overall Depth	90 mm
Net Weight	3.22 kg

Frequency Responce

