

10" - Bass Driver

Studio Range

Applications: Bass in Studio Monitors

- 150 Watt (AES)
- Critically Doped Cone
- Symmetrical Field Magnet
- Exceptional Bass Performance
- Low Loss Mirrored Double Suspension
- Net Weight: 4.9 Kgs



The B251.8 features a symmetrical field magnet and long voice coil for large linear excursion capability. It also has double rear suspensions whose characteristics are matched to that of the motor assembly for stability and linearity at high drive levels. An extended centre pole is utilised to minimise distortion inducing inductance swing at high power levels. The Thiele-Small parameters are optimised for bass extension.

Specifications

Nominal Diameter	250 mm
Power Rating	150 Watt (AES)
Frequency Range	24 - 1000Hz
Nominal Impedance	8 ohms
Voice Coil Diameter	38 mm
Voice Coil Height	19 mm
Voice Coil Layers	2
Magnet Gap Height	9.5 mm
Linear Excursion (XMax)	±5 mm
Maximum Excursion	25 mm
Volume Displacement	1.1 Litres
Connection	4.8mm Solder Terminals
Chassis	High Pressure Diecast Aluminium

Thiele-Small Parameters

Fs	31 Hz
Re	5.8 Ω
Sd	323 cm ²
Qms	1.82
Qes	0.45
Qts	0.36
Cms	0.49 mm/N
Mms	53.67 g
Rms	5.74 Ωm
Bl	11.74 N/A
Sensitivity (1w / 1m)	90 dB
VAS	72.56 L
Le	0.94 mH

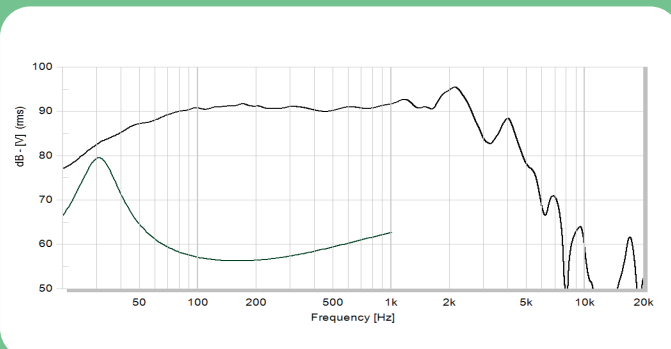
Mounting Information

Overall Diameter	285 mm
Fixing Bolt Diameter	268 mm
Fixing Holes	4 x M5
Front Mount Cut-out Diameter	253 mm
Suggested Rebate Depth	9.5 mm
Depth Below Front Flange	109.5 mm
Total Depth	119 mm
Weight	4.9 Kgs

Suggested Enclosures

Volume in Litres	35	60	90
Vent diameter in Cm	7.5	7.5	7.5
Vent length in Cm	14	11	11
System Q	7	7	7
-3dB Freq in Hz	44	38	30

Response Curve



Dimensions

