

10" - Bass Driver

Pro PA Range

Applications: Bass in PA Systems

- 150 Watt (AES)
- 4-Layer Voice Coil
- Dual Suspensions
- Symmetrical Field Magnet
- Multiple Use In Arrays
- Net Weight: 4.9 Kgs



The B250.2 features a symmetrical field magnet and long, 4-layer voice coil for large linear excursion capability coupled with good control. It also features double rear suspensions with characteristics matched to the motor assembly for stability and linearity at high drive levels. The Thiele-Small parameters are optimised for bass extension. Exceptional choice for bass systems where a fast, punchy sound is required, which needs to be backed with great depth. It can be used singly or in multiples, high impedance versions enable good matching to the amplifier.

Specifications

Nominal Diameter	250 mm
Power Rating	150 Watt (AES)
Sensitivity (1w / 1m)	93 dB
Frequency Range	30 - 1000Hz
Nominal Impedance	8, 16 or 24 ohms
BL Factor	14.3 N/A
Voice Coil Diameter	38 mm
Voice Coil Material	Copper
Maximum Excursion	25 mm (peak to peak)
Magnetic Assembly Weight	3.6 Kgs
Effective Moving Mass	0.044 Kgs
Compliance	0.00023 M/N
Volume Displacement	1.1 Litres
Connection	5mm Solder Terminals
Chassis	Diecast Aluminium

Thiele-Small Parameters

Fs	50 Hz
Re	5.25 Ohms
Qa	2.46
Qe	0.36
Qt	0.32
Vas	33 Litres
Xmax	±6 mm
Sd	324 cm ²
Vd	194 cm ³
Le	1.5 mH

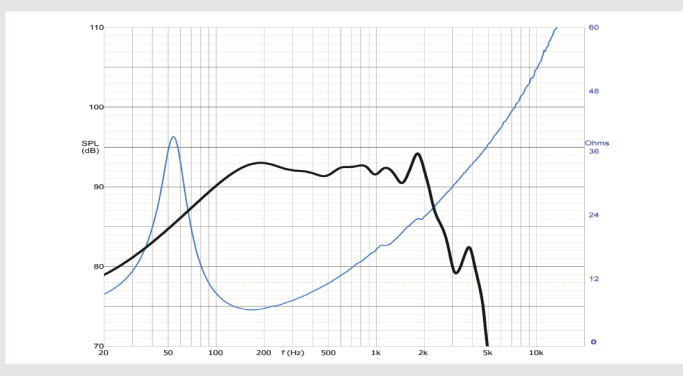
Mounting Information

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	15	25	35
Vent diameter in Cm	5	5	7.5
Vent length in Cm	7.25	4.2	12
System Q	10	10	10
-3dB Freq in Hz	70	55	50

Response Curve



Dimensions

