

10" - Bass Mid Driver

Studio Range

Applications: Bass Mid in Studio Monitors

- 10" Radial Chassis Design
- Low Loss Mirrored Double Suspension
- Low Damping NBR Rubber Surround
- Air Dried Paper/Carbon Fibre Cone
- Multi-Finned Magnet Intercooler
- Net Weight: 5.2 Kgs



The RV2501 features three cooling systems:- in addition to a vented magnet it uses the Radial chassis, which acts as a giant heatsink, plus a multi-finned magnet intercooler. This keeps voice coil and magnet temperatures exceptionally low resulting in superb reliability, 3dB less power compression and tight, clean bass even after prolonged operation at maximum power. The RV2501 has a symmetrical field magnet with extended centre pole for absolute linearity and transient control on high power peak inputs. It has double rear suspensions for stability and a 4 layer voice coil to maximise BL.

The uniquely designed RV2501 uses Radial Technology to allow exceptional power handling and reliability.

Specifications

Nominal Diameter	250 mm
Power Rating	250 Watt (AES)
Frequency Range	30 - 800Hz
Nominal Impedance	8 ohms
Voice Coil Diameter	50 mm
Voice Coil Height	17 mm
Voice Coil Layers	4
Magnet Gap Height	8 mm
Linear Excursion (XMax)	±5 mm
Maximum Excursion	22 mm
Volume Displacement	2.2 Litres
Connection	Metal Push Terminals
Chassis	High Pressure Diecast Aluminium

Thiele-Small Parameters

Fs	39 Hz
Re	5.3 Ω
Sd	330 cm ²
Qms	3.19
Qes	0.37
Qts	0.33
Cms	0.30 mm/N
Mms	55.22 g
Rms	4.22 Ωm
Bl	13.9 N/A
Sensitivity (1w / 1m)	91 dB
VAS	47.03 L
Le	1.02 mH

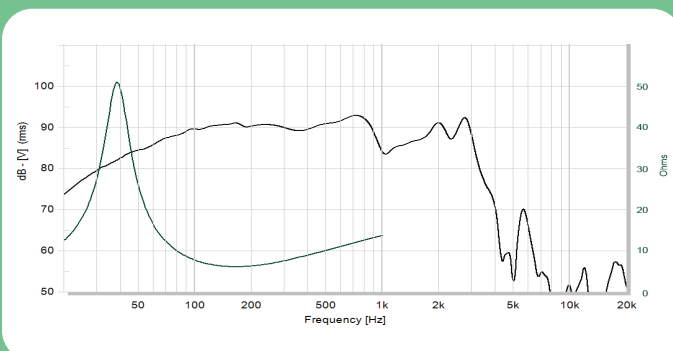
Mounting Information

Overall Diameter	270 mm
Fixing Bolt Diameter	255 mm
Fixing Holes	8 x M5
Front Mount Cut-out Diameter	241mm
Suggested Rebate Depth	8.5 mm
Depth Below Front Flange	149 mm
Total Depth	163 mm
Weight	5.2 Kgs

Suggested Enclosures

Volume in Litres	40	60	80
Vent diameter in Cm	7.5	7.5	7.5
Vent length in Cm	11	8.5	8
System Q	7	7	7
-3dB Freq in Hz	45	40	35

Response Curve



Dimensions

