

10" - Sub Bass Driver

Studio Range

Applications: Sub Bass in Studio Monitors

- 10" Radial Chassis Design
- Doped Paper/Carbon Fibre Cone
- Low Damping NBR Rubber Surround
- Multi-Finned Magnet Intercooler
- High Linear Excursion
- Net Weight: 5.8 Kgs



The RV2550 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 RV2550 has a symmetrical field magnet with extended centre pole for absolute linearity and transient control on high power peak inputs. It has double stacked ceramic magnet assembly to allow for exceptional peak to peak travel along with an increased winding width 2 layer voice coil. The uniquely designed RV2550 will reproduce sub bass frequencies without compromise.

Specifications

Nominal Diameter	250 mm
Power Rating	250 Watt (AES)
Frequency Range	20 - 500Hz
Nominal Impedance	8 ohms
Voice Coil Diameter	50 mm
Voice Coil Height	30 mm
Voice Coil Layers	2
Magnet Gap Height	8 mm
Linear Excursion (XMax)	±12 mm
Maximum Excursion	36 mm
Volume Displacement	2.5 Litres
Connection	Metal Push Terminals
Chassis	High Pressure Diecast Aluminium

Thiele-Small Parameters

Fs	28 Hz
Re	5.9 Ω
Sd	330 cm ²
Qms	2.58
Qes	0.38
Qts	0.33
Cms	0.47 mm/N
Mms	69 g
Rms	4.73 Ωm
Bl	13.9 N/A
Sensitivity (1w / 1m)	89 dB
VAS	71.78 L
Le	1.45 mH

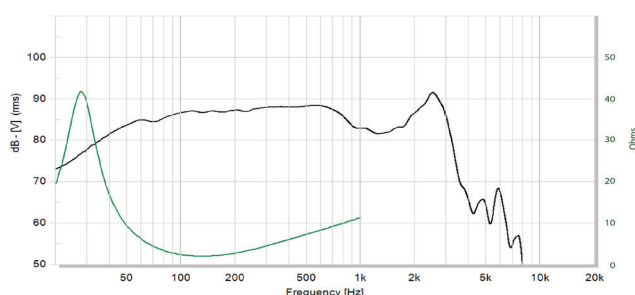
Mounting Information

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	161mm
Total Depth	175 mm
Weight	5.8Kgs

Suggested Enclosures

Volume in Litres	10	30	100
Vent diameter in Cm	Sealed	7.5	7.5
Vent length in Cm	-Box	44	22
System Q		0.7	10
-3dB Freq in Hz		55	30
			22

Response Curve



Dimensions

