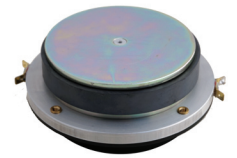# VOLT
LOUDSPEAKERS

VM527

2" - Midrange Dome

Studio Range

Applications:
Midrange in Studio Monitors

- 75 Watt (AES)
- FEA Designed Magnet System
- 2" Soft Mid Range Dome
- 91dB Sensitivity
- Wide Dispersion
- Net Weight: 2.2 Kgs

The VM527 is a 2" (52mm) soft midrange dome unit which has been designed for a smooth extended response with minimal colouration and low distortion over the critical midband frequencies. The coated one piece fabric dome/surround is coupled with a lightweight Kapton/Nomex, single layer, round wire copper voice coil for accurate transient response. An a FEA designed magnet system ensures linear coil movement even at high power levels. The magnet system develops high magnetic flux density due to its precise gap clearance enabling excellent heat dissipation for high power handling and efficiency. Wide dispersion is controlled by the short, optimally angled front mounted horn flare which also incorporates the threaded fixing points for rear mounting. The termination braids are hidden inside the unit and are not visible, connection is by 6.4mm (0.25") spade terminals allowing soldering or push on receptacles. The entire dome/coil assembly is built onto a replaceable ring that accurately self locates so allowing easy field replacement.

Specifications

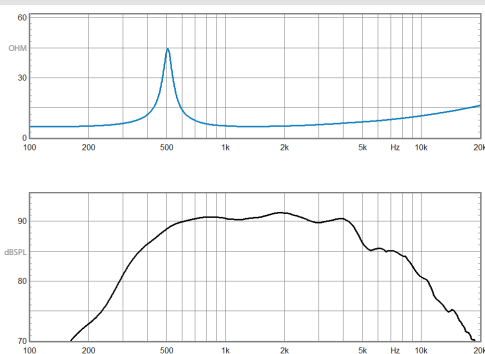|	
Nominal Diameter	140 mm
Power Rating	75 Watt (AES)
Sensitivity (1w / 1m)	91 dB
Frequency Range	500 - 4500Hz
Nominal Impedance	8 ohms
Voice Coil Diameter	52 mm
Voice Coil Material	Copper
Voice Coil Former	Kapton/Nomex
Suspension	Single
Cone material	Coated Fabric
Surround	Coated Fabric
Maximum Excursion	2 mm (peak to peak)
Magnetic Assembly Weight	1.65 Kgs
Connection	6.4mm Solder Terminals
Chassis	Machined Aluminium

Thiele-Small Parameters

Fs	502 Hz
Re	5.5 Ohms
Qms	n/a
Qes	n/a
Qts	n/a
Vas	n/a
Xmax	±1 mm
Sd	28.27 cm2
Vd	2.827 cm3
Le	n/a

Mounting Information

Overall Diameter	140 mm
Fixing Bolt Diameter	124.5 mm
Fixing Holes	4 x M5
Rear Mount Cut-out Diameter	110 mm
Suggested Rebate Depth	18 mm
Total Depth	58 mm
Weight	2.2 Kgs

Response Curve

Dimensions

140 mm
109 mm
115 mm
58 mm
18 mm