

## 3" - Midrange Dome

## Studio Range

### Applications: Midrange in Studio Monitors

- 100 Watt (AES)
- Large 8" Magnet
- 3" Soft Mid Range Dome
- 94dB Sensitivity
- Exceptionally Smooth Response
- Net Weight: 9 Kgs



The VM752 is a 75mm diameter dome unit loaded by a short, front mounted horn. It uses a single layer, round wire copper coil slightly longer than the focussed magnet gap to allow for high excursions at the lower end of its operating range. The dome and surround are critically doped for smoothness and consistency of response, a second, rear surround maintains coil stability. The magnet system uses a 200mm (8") ceramic magnet for high efficiency and is solidly fixed to a painted, aluminium chassis. 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. The unit is intended for rear mounting, M5 threaded inserts are incorporated in the flange for fixing screws.

#### Specifications

Nominal Diameter	200 mm
Power Rating	100 Watt (AES)
Sensitivity (1w / 1m)	94 dB
Frequency Range	500 - 4000Hz
Nominal Impedance	8 ohms
BL Factor	9.3 N/A
Voice Coil Diameter	75 mm
Voice Coil Material	Copper
Maximum Excursion	4 mm (peak to peak)
Magnetic Assembly Weight	8 Kgs
Effective Moving Mass	0.004 Kgs
Compliance	0.0004 M/N
Volume Displacement	1 Litres
Connection	6.4mm Solder Terminals
Chassis	Diecast Aluminium

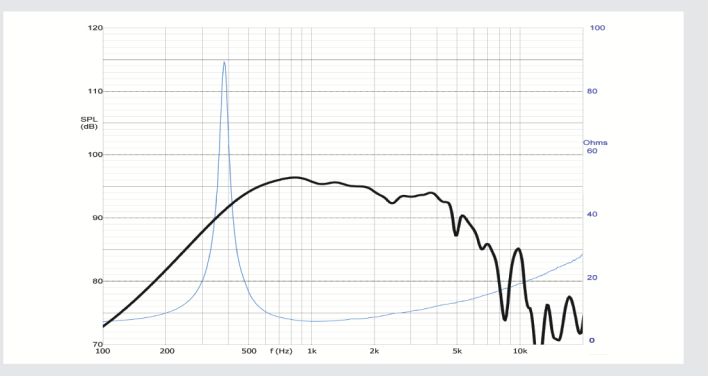
#### Thiele-Small Parameters

Fs	400 Hz
Re	6.3 Ohms
Qa	9.53
Qe	0.81
Qt	0.75
Vas	0.16 Litres
Xmax	±1 mm
Sd	57 cm <sup>2</sup>
Vd	5.7 cm <sup>3</sup>
Le	0.37 mH

#### Mounting Information

Overall Diameter	200 mm
Fixing Bolt Diameter	172 mm
Fixing Holes	4 x M5
Rear Mount Cut-out Diameter	154 mm
Suggested Rebate Depth	20 mm
Total Depth	78 mm
Weight	9 Kgs

#### Response Curve



#### Dimensions

