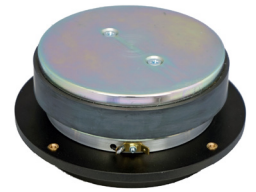


## 3" - Midrange Dome

## Studio Range

### Applications: Midrange in Studio Monitors

- 100 Watt (AES)
- FEA Designed Magnet System
- 3" Soft Mid Range Dome
- 92dB Sensitivity
- Exceptionally Smooth Response
- Net Weight: 6 Kgs



The VM753 is a 16 ohm version 3" (75mm) diameter dome unit loaded by a short, front mounted horn. It uses a lightweight 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. An FEA designed magnet system uses a 155mm 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	190 mm
Power Rating	100 Watt (AES)
Sensitivity (1w / 1m)	92 dB
Frequency Range	500 - 4000Hz
Nominal Impedance	16 ohms
Voice Coil Diameter	75 mm
Voice Coil Material	Copper
Voice Coil Former	Kapton
Suspension	Double
Dome material	Coated Fabric
Surround	Coated Fabric
Maximum Excursion	4 mm (peak to peak)
Magnetic Assembly Weight	5 Kgs
Volume Displacement	1 Litres
Connection	6.4mm Solder Terminals
Chassis/Flare	Machined Aluminium

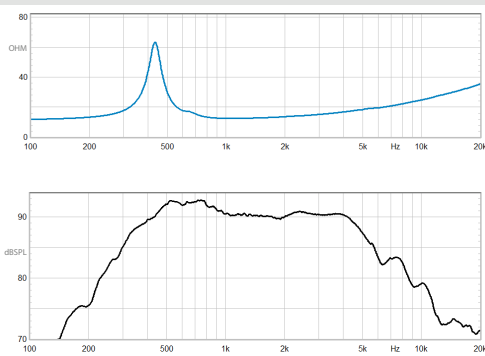
#### Thiele-Small Parameters

Fs	450 Hz
Re	10.6 Ohms
Qms	4.99
Qes	1.41
Qts	1.10
Vas	0.16 Litres
Xmax	±1 mm
Sd	57 cm <sup>2</sup>
Vd	5.7 cm <sup>3</sup>
Le	0.24 mH

#### Mounting Information

Overall Diameter	190 mm
Fixing Bolt Diameter	172 mm
Fixing Holes	4 x M5
Rear Mount Cut-out Diameter	153 mm
Suggested Rebate Depth	20 mm
Total Depth	81 mm
Weight	6 Kgs

#### Response Curve



#### Dimensions

