

## 2" - Midrange Dome

## Studio Range

### Applications: Midrange in Studio Monitors

- Front Mounting Design
- Smooth Frequency Response
- FEA Designed Magnet System
- 52mm Soft Fabric Dome
- Wide Dispersion
- Net Weight: 1.8 Kgs



The VM528 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, single layer, round wire copper voice coil for accurate transient response. The FEA designed 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 flat, front mounting plate. The connection terminals are 4.8mm spade terminals allowing soldering or push on receptacles. The entire dome/coil assembly is built onto a replaceable composite diaphragm ring that accurately self locates so allowing easy field replacement.

#### Specifications

|                         |                      |
|-------------------------|----------------------|
| Nominal Diameter        | 140 mm               |
| Power Rating            | 75 Watt (AES)        |
| Frequency Range         | 500 - 5000Hz         |
| Nominal Impedance       | 8 ohms               |
| Voice Coil Diameter     | 52 mm                |
| Voice Coil Height       | 6 mm                 |
| Voice Coil Layers       | 1                    |
| Magnet Gap Height       | 8 mm                 |
| Linear Excursion (XMax) | ±1 mm                |
| Maximum Excursion       | 2 mm                 |
| Volume Displacement     | 0.5 Litres           |
| Connection              | 4.8 Solder Terminals |
| Chassis                 | Machined Aluminium   |

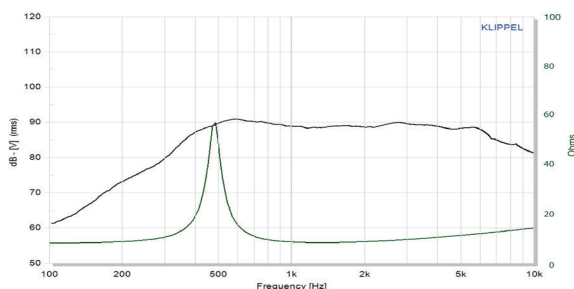
#### Thiele-Small Parameters

|                       |                       |
|-----------------------|-----------------------|
| Fs                    | 500 Hz                |
| Re                    | 5.5 Ω                 |
| Sd                    | 28.27 cm <sup>2</sup> |
| Qms                   | 0.00                  |
| Qes                   | 0.00                  |
| Qts                   | 0.00                  |
| Cms                   | 0.00 mm/N             |
| Mms                   | 0.00 g                |
| Rms                   | 0.00 Ωm               |
| Bl                    | 0.00 N/A              |
| Sensitivity (1w / 1m) | 89 dB                 |
| VAS                   | 0.00 L                |
| Le                    | 0.00 mH               |

#### Mounting Information

|                              |                              |
|------------------------------|------------------------------|
| Overall Diameter             | 140 mm                       |
| Fixing Bolt Diameter         | 130 mm                       |
| Fixing Holes                 | 6 x M4                       |
| Front Mount Cut-out Diameter | 115 mm (126mm) for Terminals |
| Suggested Rebate Depth       | 5 mm                         |
| Depth Below Front Flange     | 37 mm                        |
| Total Depth                  | 42 mm                        |
| Weight                       | 1.8 Kgs                      |

#### Response Curve



#### Dimensions

