VOLT LOUDSPEAKERS

VM528

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	4 mm
Linear Excursion (XMax)	±1 mm
Maximum Excursion	2 mm
Volume Displacement	0.5 Litres
Connection	4.8 Solder Terminals
Chassis	Machined Aluminium

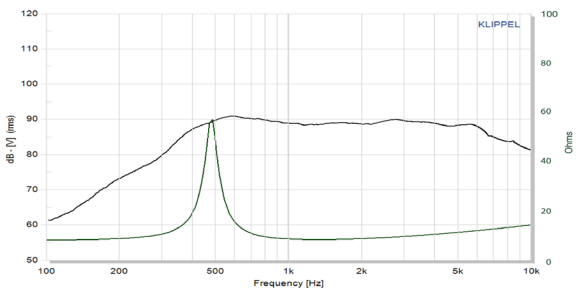
Thiele-Small Parameters

Fs	500 Hz
Re	5.5 Ω
Sd	28.27 cm²
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

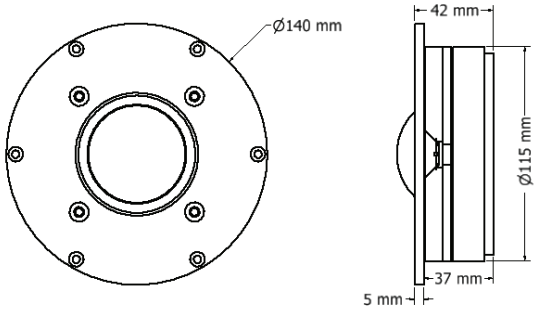
Mounting Information

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



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