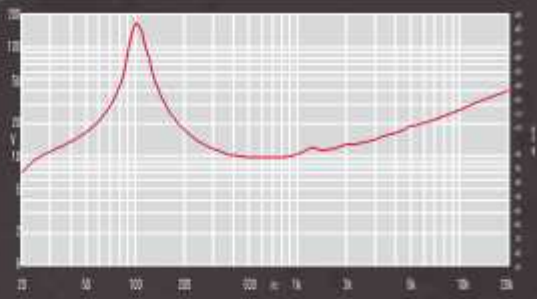
STUDIO 5M

IMPEDANCE:



APPLICATION NOTES:

Exceptional efficiency, power handling and frequency coverage from compact dimensions. Primarily for mid-range in compact vocal and studio systems. Extended usable frequency response makes it also suitable for multi-unit PA systems. Performance is optimised for high quality, mid-range usage over a bandwidth of 900Hz - 8KHz in multiway systems.

FREQUENCY RESPONSE DATA:[1]

[1] Half space response measured in a 975 litre sealed box

MATERIALS OF CONSTRUCTION

Former Material	Resin Bonded Glass Fibre
Voice Coil	Polyamid-Imide Coated
Magnet Material	APS Ferrite
Chassis	Die-cast Aluminium
Cone	Paper
Surround / Edge Termination	Foam Plastic
Dust Dome	Linen
Connectors	0.125" Tab / Solder
Polarity	Positive Voltage at Red Terminal Causes Forward Motion of Cone

ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	5"
Impedance	8, 16 Ω
Power Handling	50 (USA 100)
Usable Frequency Range -6dB	900Hz - 8kHz
Sensitivity 1 w - 1m	100dB
Moving Mass inc. Air Load	4.8 grams
Minimum Impedance Zmin	N/A
Effective Piston Diameter	4.2" / 106 mm
Peak Displacement Volume of Cone Vd	0.05 litres
Magnet Weight	36 oz
Magnetic Gap Depth	0.250" / 6.35 mm
Flux Density	1.45 Tesla
Coil Winding Height	0.315" / 8.0mm
Voice Coil Diameter	1.0" / 25mm

THIELE SMALL PARAMETERS

FS Hz	97 Hz
RE Ohms	5.6 Ω
Qms	9.2
Qes	0.32
Qts	0.31
Vas Ltr	5.8
Vd Litres	0.05
CMS (mm/N)	5.4
BL T/m	5.7
Mms (grms)	4.8
Efficiency %	1.7

MOUNTING / SHIPPING INFORMATION

Overall Diameter	6" / 1524 mm
Width Across Flats	5.25" / 133.35 mm
Flange Height	0.270" / 6.9 mm
Baffle Hole Diameter F/M	4.63" / 117.5 mm
Baffle Hole Diameter R/M	4.50" / 114.3 mm
Gasket Supplied	Front & Rear
Fixing Holes	4 x 0.218" / 5.5 dia x 5.468 / 138.8 PCD
Depth	3.38" / 86 mm
Weight	5.7 lb / 2.46 kg
Recommended Enclosure Volume	0.7 - 1.5 cu ft / 2-4litres
Shipping Weight	5.7 lb / 2.6 kg
Packing Carton Dimensions	156 x 102 x 143 mm

- Please note that the frequency response measurements are supplied for comparison only and are not a measure of the low frequency performance which may be achieved in a fully optimised system.