

## SOVEREIGN 6-100

Medium-power 6" driver ideal for use in pro-sound applications. Works well for midrange in a small sealed box or as a mid/bass driver in vented boxes.

### ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	6.5"
Impedance	8 Ω
Power Handling	100 w (EIA 426A)
Peak Power (6dB Crest Factor)	400 w (EIA 426A)
Usable Frequency Range -6dB	60 Hz - 7 KHz
Sensitivity (1 w - 1 m)	93 dB
Moving Mass inc. Air Load	23.94 grams
Minimum Impedance Zmin	7 Ω
Effective Piston Diameter	5.15" / 131 mm
Peak Displacement Volume of Cone Vd	0.03 litres
Magnet Weight	20 oz
Magnetic Gap Depth	0.23" / 6 mm
Flux Density	1.0 Tesla
Coil Winding Height	0.39" / 10 mm
Voice Coil Diameter	1.5" / 38.1 mm

### THIELE SMALL PARAMETERS

FS Hz	115 Hz
RE Ohms	6.9 Ω
Qms	12.8
Qes	0.67
Qts	0.64
Vas Ltr	2.2
Vd litres	0.032
CMS (mm/N)	0.08
BL T/m	13.25
Mms (grms)	23.94
Xmax (mm)	2.5
Sd (cm <sup>2</sup> )	139.2
Efficiency %	0.5
Le (1kHz)	1.15 mH

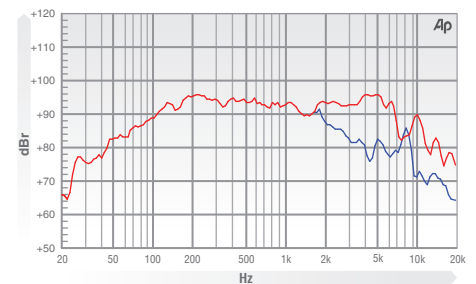
### MATERIALS OF CONSTRUCTION

Former Material	Glass Fibre
Voice Coil	Copper
Magnet Material	Ferrite
Chassis	Steel
Cone	Paper
Surround / Edge Termination	Polyvinyl Damped Dbl. Half Roll Linen
Dust Dome	Paper
Connectors	Solder Tag
Polarity	Positive Voltage at Red Terminal Causes Forward Motion of Cone

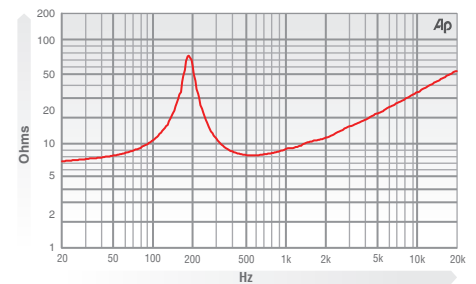
### MOUNTING / SHIPPING INFORMATION

Overall Diameter	6.50" / 165 mm
Flange Height	0.27" / 7 mm
Baffle Hole Diameter F/M	5.78" / 147 mm
Baffle Hole Diameter R/M	5.78" / 147 mm
Gasket Supplied	Front & Rear
Fixing Holes	4x 5.9 mm on 6.14" / 155.96 mm PCD
Depth	2.20" / 56 mm
Weight	3.63 lb / 1.65 kg
Recommended Enclosure Volume	0.35 - 0.70 cu ft / 10 - 20 litres
Shipping Weight	4.29 lb / 1.95 kg
Packing Carton Dimensions	105 x 205 x 205 mm

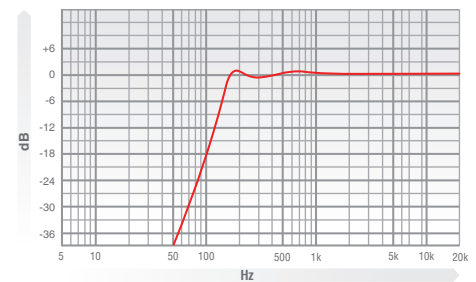
### FREQUENCY RESPONSE DATA\*



### IMPEDANCE



### PREDICTED BASS RESPONSE



\* Half space response measured in a 975 litre sealed box \*\* Normalised bass response in 15 litre vented enclosure tuned to 70Hz • Please enquire about alternative impedances. • EIA 426A, power handling test. Pink noise bandpass filtered at 12 dB per octave. Driver mounted in free air, test signal applied at rated power for 8 hours. • 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.