



NEW



MSW-144

Slim 5" Woofer

Ø 5", Ø 3" voicecoil, 8Ω

SPECIFICATIONS

General Data		
Overall Dimensions	DxH	142mm(5.59") x 52mm(2.05")
Nominal Power Handling (DIN)	P	150W
Transient Power 10ms		1000W
Sensitivity 1W/1M		87 dB
Frequency Response		See graph
Cone Material		Damped Polymer Composite
Net Weight	Kg	1.0Kg

Electrical Data		
Nominal Impedance	Z	8Ω
DC Resistance	Re	5.2Ω
Voice Coil Inductance	LBM	0.55 mH @ 1KHz

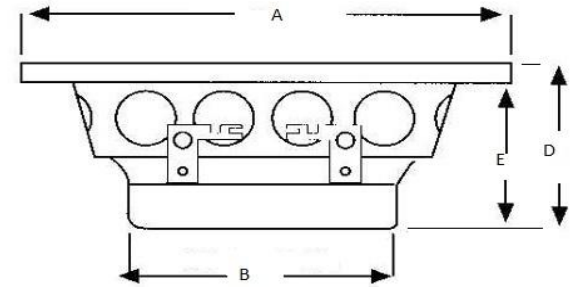
Voice Coil and Magnet Parameters		
Voice Coil Diameter	DIA	75 mm (3")
Voice Coil Height		12.0 mm (0.47")
HE Magnetic Gap Height	HE	5 mm(0.2")
Max. Linear Excursion	X	(+ -)3.5 mm (0.137")
Voice Coil Former		Aluminum
Voice Coil Wire		Hexatech™ Aluminum
Number Of Layers		2
Magnet System Type		Double Magnet Ferrite
B Flux Density	B	0.68T
BL Product	BXL	6.2 N.A

T-S Parameters		small signal	1 V
Suspension Compliance	Cms	0.725 mm/N	0.671 mm/N
Mechanical Q Factor	Qms	2.25	2.00
Electrical Q Factor	Qes	0.55	0.47
Total Q Factor	Qts	0.44	0.36
Mechanical Resistance	Rms	1.93	2.14
Moving Mass	Mms	13.68 gr	13.68 gr
Eq. Cas Air Load (liters)	VAS	8.20 L	11.80 L
Resonant Frequency	Fs	50.5 Hz	42.5 Hz
Effective Piston Area	SD	90cm ²	90 cm ²

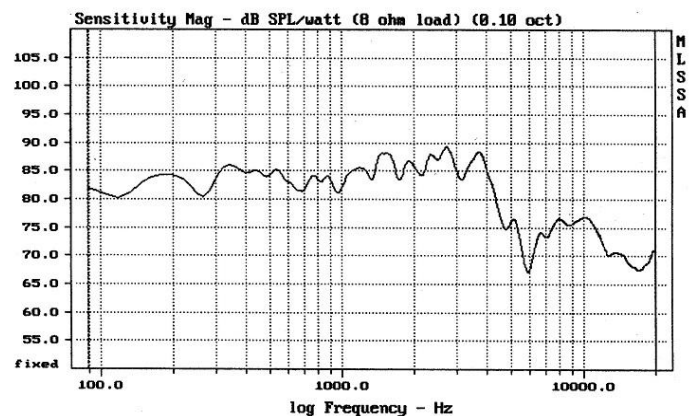
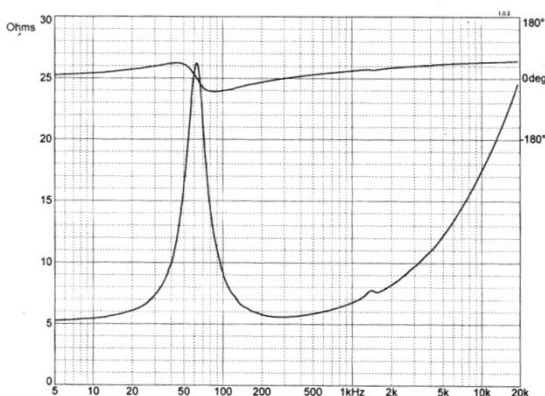
Features

- * Large Hexatech aluminum voice coil
- * Double magnet system
- * High power handling
- * Shallow profile DCP cone

Dimensions



A - Overall diameter	Ø 142 mm
B - Magnet diameter	Ø 84 mm
C - Flange thickness	5 mm
D - Overall height	52mm
E - Not Relevant	
F - Mounting holes location radius	54.9 mm
G - 4 Mounting holes, at 90° interval, inner hole diameter	Ø 4.2 mm



Measured on IEC baffle using Bruel & Kjaer 3144 model microphone.

Morel operate policy of continuous product design improvement, consequently specifications are subject to alteration without prior notice.