



## TiW 638Ft

### Titanium Advanced Woofer

Ø 6", Ø 3" voice coil, 8Ω

NEW



#### SPECIFICATIONS

##### General Data

Overall Dimensions	<b>DxH</b>	160mm (6.3") x 69mm (2.71")
Nominal Power Handling (DIN)	<b>P</b>	150W
Transient Power 10ms		1000W
Sensitivity 2.83V/1M		86dB
Frequency Response		See graph
Cone Material		Damped Polymer Composite
Net Weight	<b>Kg</b>	1.2 Kg

##### Electrical Data

Nominal Impedance	<b>Z</b>	8Ω
DC Resistance	<b>Re</b>	5.40Ω
Voice Coil Inductance @ 1KHz	<b>LBM</b>	0.63 mH

##### Voice Coil and Magnet Parameters

Voice Coil Diameter	<b>DIA</b>	75 mm (3")
Voice Coil Height		14.5 mm (0.62")
HE Magnetic Gap Height	<b>HE</b>	6 mm (0.20")
Max. Linear Excursion	<b>X</b>	± 4.25mm
Voice Coil bobbin		Titanium
Voice Coil Wire		Hexatech™ Aluminum
Number Of Layers		2
Magnet System Type		Double Magnet Ferrite
B Flux Density	<b>B</b>	0.66 T
BL Product	<b>BXL</b>	7.3 N.A

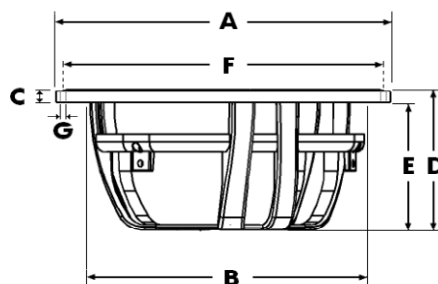
##### T-S Parameters

		Small Signal	1 V
Suspension Compliance	<b>Cms</b>	0.998 mm/N	1.308 mm/N
Mechanical Q Factor	<b>Qms</b>	3.96	4.63
Electrical Q Factor	<b>Qes</b>	0.47	0.50
Total Q Factor	<b>Qts</b>	0.42	0.45
Mechanical Resistance	<b>Rms</b>	1.005 Ωm	0.743 Ωm
Moving Mass	<b>Mms</b>	15.5 gr	
Eq. Gas Air Load (liters)	<b>VAS</b>	19.7 Lt.	25.8 Lt.
Resonant Frequency	<b>Fs</b>	40 Hz	35 Hz
Effective Piston Area	<b>SD</b>	119 cm <sup>2</sup>	

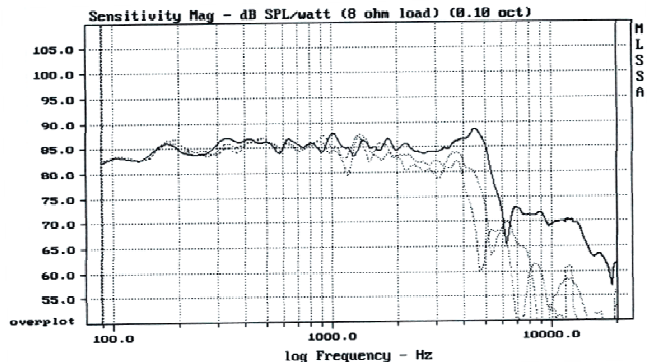
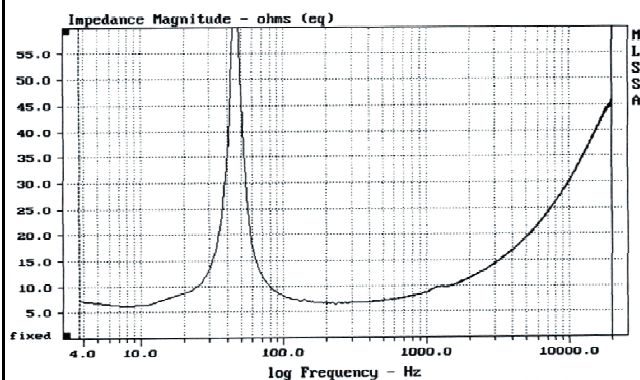
##### FEATURES

- \* Uniflow™ Aluminum diecast chassis
- \* Double Magnet Ferrite system
- \* Titanium coil bobbin
- \* 3" Large Hexatech™ Aluminum voice coil
- \* High power handling
- \* High Xmax, Low Qts, Low Fs, High QMS

##### Unit Dimentions



<b>A</b> - Overall diameter	160mm
<b>B</b> - Cut out diameter	140mm
<b>C</b> - Flange thickness	6mm
<b>D</b> - Overall height	69mm
<b>E</b> - Basket + magnet depth	63mm
<b>F</b> - Mounting holes location diameter	152mm
<b>G</b> - 6 Mounting holes, at 60° interval, inner hole diameter	Ø 4.2mm



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.