



TiW 638Nd

Titanium Advanced Woofer

Ø 6", Ø 3" voicecoil, 8Ω



SPECIFICATIONS

General Data

Overall Dimensions	DxH	160mm (6.3") x 69mm (2.71")
Nominal Power Handling (DIN)	P	150W
Transient Power 10ms		1000W
Sensitivity 2.83V/1M		87dB
Frequency Response		See graph
Cone Material		Injected Damped Polymer Composite
Net Weight	Kg	1.2 Kg

Electrical Data

Nominal Impedance	Z	8Ω
DC Resistance	Re	5.40Ω
Voice Coil Inductance @ 1KHz	LBM	0.53 mH

Voice Coil and Magnet Parameters

Voice Coil Diameter	DIA	75 mm (3")
Voice Coil Height		15.5 mm (0.62")
HE Magnetic Gap Height	HE	5 mm (0.20")
Max. Linear Excursion	X	± 5.25mm
Voice Coil bobbin		Titanium
Voice Coil Wire		Hexatech™ Aluminum
Number Of Layers		2
Magnet System Type		Hybrid™ Neodymium/Ferrite
B Flux Density	B	0.81 T
BL Product	BXL	7.70 T.m

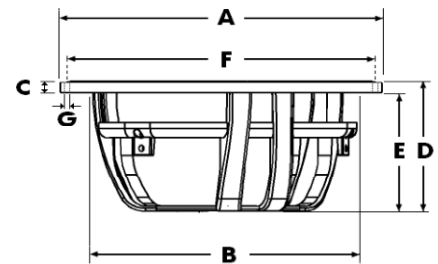
T-S Parameters

		Small Signal	1 V
Suspension Compliance	Cms	0.78 mm/N	1.07 mm/N
Mechanical Q Factor	Qms	4.7	3.4
Electrical Q Factor	Qes	0.44	0.39
Total Q Factor	Qts	0.4	0.35
Mechanical Resistance	Rms	0.993Ωm	1.205Ωm
Moving Mass	Mms	17.0 gr	17.0 gr
Eq. Cas Air Load (liters)	VAS	15.5 Lt.	21 Lt.
Resonant Frequency	Fs	43 Hz	36 Hz
Effective Piston Area	SD	119 cm ²	119 cm ²

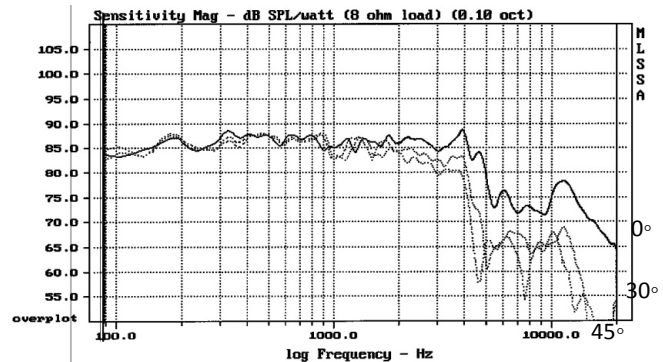
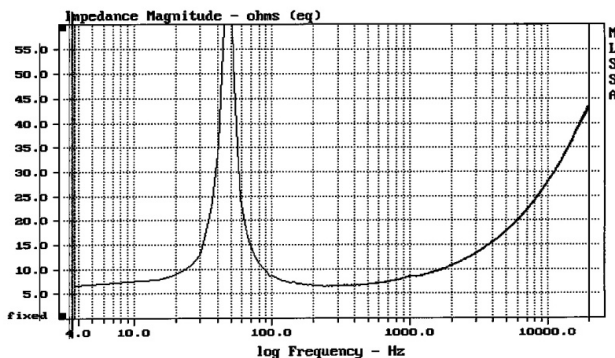
FEATURES

- * Uniflow™ Aluminum diecast chassis
- * Hybrid™ Neodymium/Ferrite magnet system
- * Titanium coil bobbin
- * 3" Large Hexatech™ Aluminum voice coil
- * High power handling
- * High Xmax, Low Qts, Low Fs, High QMS

Unit Dimentions



A - Overall diameter	160mm
B - Cut out diameter	140mm
C - Flange thickness	6mm
D - Overall height	69mm
E - Basket + magnet depth	63mm
F - Mounting holes location diameter	152mm
G - 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.