



NEW



# TiCW 638Nd

6" BASSMID. 8 ohm

Coppersleeve Neolin™ Motor

Titanium coil bobbin

## 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		87dB
Frequency Response		See graph
Cone Material		Injected 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>	0.32 mH

### Voice Coil and Magnet Parameters

Voice Coil Diameter	<b>DIA</b>	75 mm (3")
Voice Coil Height		15.5 mm (0.62")
HE Magnetic Gap Height	<b>HE</b>	5 mm (0.20")
Max. Linear Excursion	<b>X</b>	± 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>B</b>	0.78 T
BL Product	<b>BXL</b>	7.5 T.m

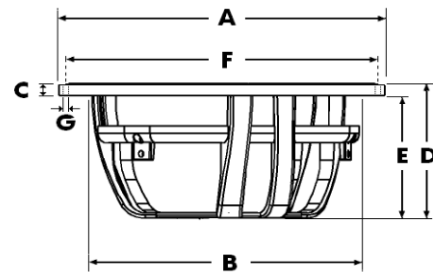
### T-S Parameters

		Small Signal	1 V
Suspension Compliance	<b>Cms</b>	0.70 mm/N	1.46 mm/N
Mechanical Q Factor	<b>Qms</b>	4.68	2.47
Electrical Q Factor	<b>Qes</b>	0.47	0.32
Total Q Factor	<b>Qts</b>	0.42	0.29
Mechanical Resistance	<b>Rms</b>	1.073 Ωm	1.339 Ωm
Moving Mass	<b>Mms</b>	16.80 gr	16.80 gr
Eq. Cas Air Load (liters)	<b>VAS</b>	14 Lt.	29 Lt.
Resonant Frequency	<b>Fs</b>	45 Hz	33 Hz
Effective Piston Area	<b>SD</b>	119 cm <sup>2</sup>	119 cm <sup>2</sup>

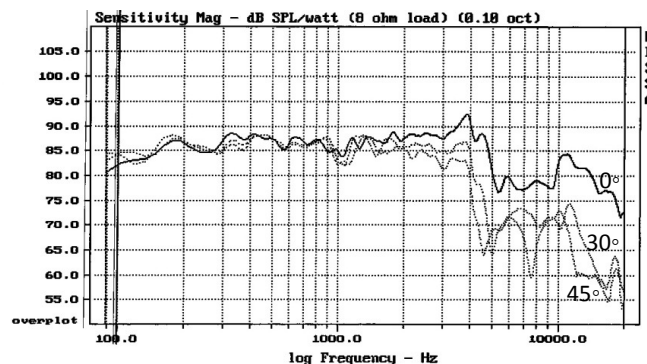
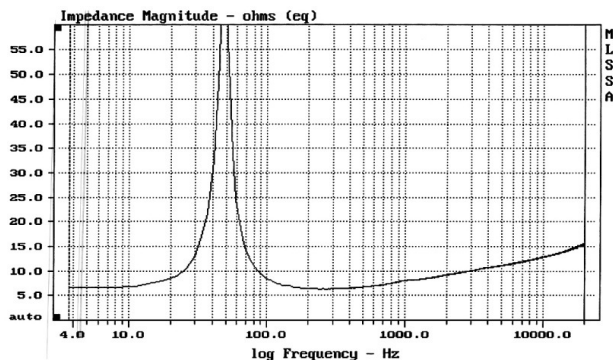
### FEATURES

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

### Unit Dimintions



- 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.