



TiCW 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 | 0.32 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 | 0.78 T |
| BL Product | BXL | 7.5 T.m |

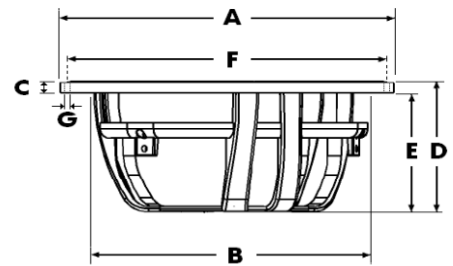
T-S Parameters

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

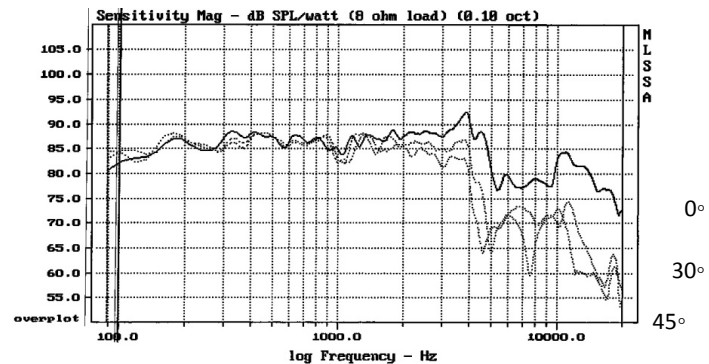
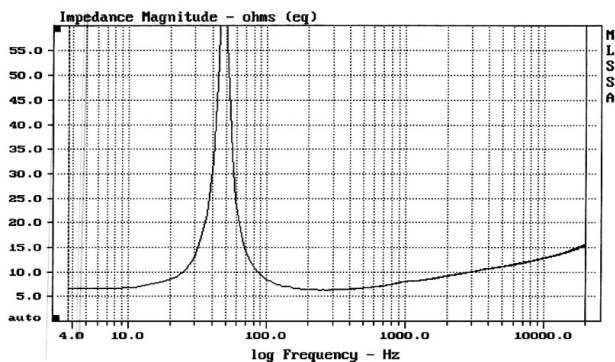
FEATURES

- * Uniflow™ Aluminum diecast chassis
- * Hybrid™ Neodymium/Ferrite magnet system
- * Coppersleeve Neol™ Motor
- * 3" Large Hexatech™ Aluminum voice coil
- * Titanium coil bobbin
- * 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.