



MDM 55

Ø 2.1" soft dome midrange, 8Ω



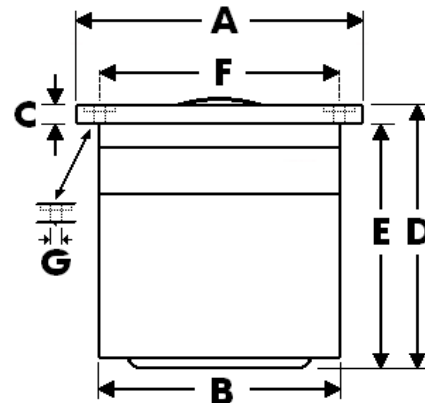
SPECIFICATIONS

| General Data | | |
|----------------------------------|-------|--------------------------------|
| Overall Dimensions | HxW/H | 87x87/86mm (3.42x3.42/3.38") |
| Nominal Power Handling (DIN) | P | 200W |
| Transient Power 10ms | | 1,000W |
| Sensitivity 2.83V/1M | | 89.5 dB SPL |
| Frequency Response | | See graph |
| Dome Type | | Acuflex™ hand coated soft dome |
| Net Weight | Kg | 0.27 |
| Electrical Data | | |
| Nominal Impedance | Z | 8Ω |
| DC Resistance | Re | 6.3Ω |
| Voice Coil Inductance @ 1KHz | LBM | 0.19mH |
| Voice Coil and Magnet Parameters | | |
| Voice Coil Diameter | DIA | 54mm |
| Voice Coil Height | | 6mm |
| HE Magnetic Gap Height | HE | 4mm |
| Max. Linear Excursion | X | ± 1mm |
| Voice Coil Former | | Aluminum |
| Voice Coil Wire | | Hexatech™ Aluminum |
| Number Of Layers | | 2 |
| Magnet System Type | | Neodymium vented |
| B Flux Density | B | 0.85 T |
| BL Product | BXL | 5.2 N.A |
| T-S Parameters | | |
| Suspension Compliance | Cms | |
| Mechanical Q Factor | Qms | 1.13 |
| Electrical Q Factor | Qes | 1.75 |
| Total Q Factor | Qts | 0.68 |
| Mechanical Resistance | Rms | |
| Moving Mass | Mms | 2.8 g |
| Eq. Cas Air Load (liters) | VAS | |
| Resonant Frequency | Fs | 380 Hz ± 10% |
| Effective Piston Area | SD | 28 cm ² |

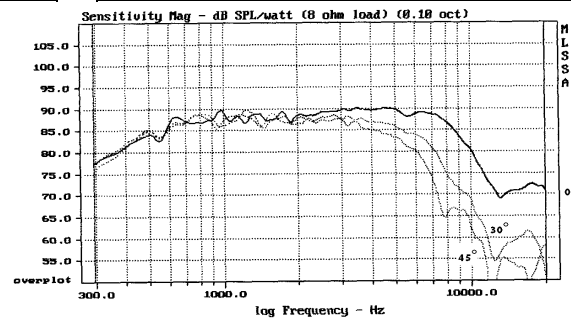
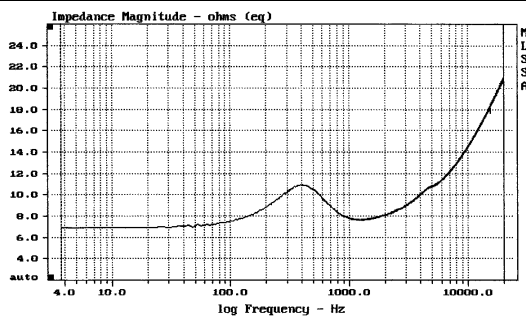
FEATURES

- * 2.1" Acuflex™ hand coated soft dome
- * 2.1" Large Hexatech™ Aluminum voice coil
- * Internally damped, Aluminum rear chamber
- * Wide range linear performance
- * Low resonance point
- * High power handling

Unit Dimensions



- A - Square flange HxW 87mm/87mm
- B - Cut out diameter 75mm
- C - Flange thickness 4mm
- D - Overall height 86mm
- E - Rear chamber depth 84mm
- F - Mounting holes location 72mm
- G - 4 Mounting holes, at 90° interval, inner hole diameter Ø 4mm pocket h 2mm, Ø 7mm



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.