CAW 638
Classic Advanced Woofer, Ø 6", Ø 3" voicecoil, 8Ω

**SPECIFICATIONS**

**General Data**
- Overall Dimensions: DxH 160mmx69mm
- Nominal Power Handling (DIN): P 150W
- Transient Power 10ms: 1000W
- Sensitivity 1W/1M: 86 dB SPL
- Frequency Response: 30-5000 Hz
- Cone/Dome Material: Damped Polymer Composite
- Net Weight: Kg 1.2

**Electrical Data**
- Nominal Impedance: Z 8Ω
- DC Resistance: Re 6.4Ω
- Voice Coil Inductance @ 1KHz: LBM 0.63mH

**Voice Coil and Magnet Parameters**
- Voice Coil Diameter: DIA 75mm
- Voice Coil Height: 14.5mm
- HE Magnetic Gap Height: HE 6mm
- Max. Linear Excursion: X ±4.25mm
- Voice Coil Former: Aluminum
- Voice Coil Wire: Hexatech™ Aluminum
- Number Of Layers: 2
- Magnet System Type: High flux ferrite double vented
- B Flux Density: B 0.72 T
- BL Product: BXL 7.3 N.A

**T-S Parameters**
- Suspension Compliance: Cms 0.792 mm/N
- Mechanical Q Factor: Qms 2.2
- Electrical Q Factor: Qes 0.58
- Total Q Factor: Qts 0.46
- Mechanical Resistance: Rms 2.040 Kg/s
- Moving Mass: Mms 16 g
- Eq. Cas Air Load (liters): VAS 15.7 Lt
- Resonant Frequency: Fs 43 Hz
- Effective Piston Area: SD 119 cm²

**FEATURES**
- Uniflow™ Aluminum diecast chassis
- High flux ferrite double magnet system
- 3" Large Hexatech™ Aluminum voice coil
- High power handling
- Shallow profile D.P.C cone
- Improved parameters

**Unit Dimensions**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
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</thead>
<tbody>
<tr>
<td>A - Overall diameter</td>
<td>160mm</td>
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<tr>
<td>B - Cut out diameter</td>
<td>140mm</td>
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<tr>
<td>C - Flange thickness</td>
<td>6mm</td>
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<tr>
<td>D - Overall height</td>
<td>69mm</td>
</tr>
<tr>
<td>E - Basket depth</td>
<td>63mm</td>
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<tr>
<td>F - Mounting holes location diameter</td>
<td>152mm</td>
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<tr>
<td>G - 6 Mounting holes, at 60° interval, inner hole diameter</td>
<td>Ø 4.2mm</td>
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This model replaces former Morel MW-166 and MW158 models. Morel operate policy of continuous product design improvement, consequently specifications are subject to alteration without prior notice.