The goal of every Motus driver design is linear frequency response, low distortion and superb tonality.

After hundreds of hours of refinement each driver allows for the application of a minimal crossover to achieve your desired target response.

Every Motus driver goes through a rigorous four stage quality control process to ensure that the driver in your loudspeaker represents the best Motus has to offer.

The UH25CT1 blends a die cast faceplate and enclosure, coated textile dome and internal Cardas wire into what we feel is one of the finest tweeters available.

- Underhung voice coil
- Linear frequency response
- Ultra low distortion
- FEA Optimized motor
- Coated textile dome
- Vented pole piece
- Dual shorting rings
- Precision machined undercut pole piece
- Neodymium magnet
- Die cast non resonant enclosure
- Vented voice coil
- Gold plated terminals
- Ferrofluid cooled
- Die cast aluminum faceplate
- Cardas Wire

**UH25CT1 - Parameters**

<table>
<thead>
<tr>
<th>Thiele / Small Parameters</th>
<th>Electrical Parameters</th>
<th>Magnet and Voice Coil</th>
<th>Dimensions and Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resonance Frequency FS</td>
<td>DC Resistance DCR</td>
<td>Voice Coil Diameter</td>
<td>Total Unit Weight .47 kg</td>
</tr>
<tr>
<td>Mechanical Q QMS</td>
<td>Nominal Impedance NOM</td>
<td>Voice Coil Winding Height</td>
<td>Total Outside Diameter 127.00 mm</td>
</tr>
<tr>
<td>Electrical Q QES</td>
<td>Voice Coil Inductance LE</td>
<td>Voice Coil Layers</td>
<td>Total Depth 62.50 mm</td>
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<tr>
<td>Total Q Factor QTS</td>
<td>Power Handling Long Term Power Handling*</td>
<td>Gap Height</td>
<td>3.00 mm</td>
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<tr>
<td>Force Factor BL</td>
<td>Short Term Power Handling*</td>
<td>Linear Excursion Xmax</td>
<td>.30 mm</td>
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<tr>
<td>Moving Mass MMS</td>
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<td>Suspension Compliance CMS</td>
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<tr>
<td>Radiating Diameter Dia.</td>
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<tr>
<td>Radiating Area SD</td>
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<tr>
<td>Equivalent Volume VAS</td>
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<tr>
<td>Sensitivity (2.83V / 1M) SPL</td>
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<tr>
<td>90.10 dB</td>
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</tbody>
</table>

*IEC 268-5

All specifications are subject to change without notice.
### Frequency Response (1/12 Octave Smoothing)

**Curve Description**
- Black Curve: On Axis SPL
- Green Curve: 30 deg off axis
- Blue Curve: 60 deg off axis

**Test Conditions**
- Level: 2.83 volts
- Mic Distance: 1 meter
- Smoothing: 1/12 Octave
- Boundary: IEC Baffle

### Harmonic Distortion (1/12 Octave Smoothing)

**Curve Description**
- Black Curve: On Axis
- Solid Curve: 2nd Harmonic
- Dash Curve: 3rd Harmonic

**Test Conditions**
- Level: 2.83 volts
- Mic Distance: 1 meter
- Smoothing: 1/12 Octave
- Boundary: IEC Baffle

### Impedance

**Curve Description**
- Black Curve: Impedance

**Test Conditions**
- Boundary: Free Air