MOTUS

UH25CT1
Tweeter

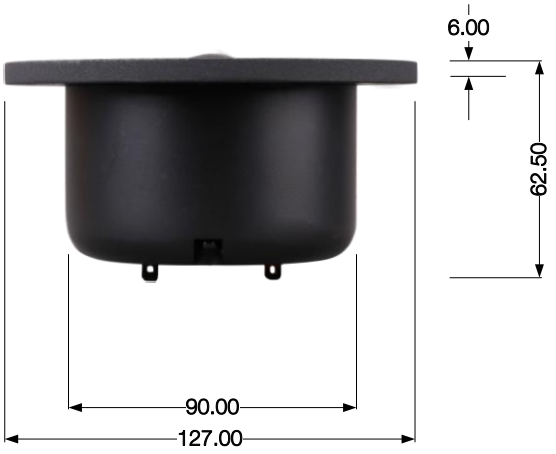
The goal of every Motus driver design is linear frequency response, low distortion and superb tonality.

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

Thiele / Small Parameters

Resonance Frequency	FS	550.00Hz
Mechanical Q	QMS	3.50
Electrical Q	QES	.72
Total Q Factor	QTS	.58
Force Factor	BL	3.21 Tm
Moving Mass	MMS	.27 grams
Suspension Compliance	CMS	.19 mm/N
Radiating Diameter	Dia.	30.60 mm
Radiating Area	SD	7.55 sq. cm
Equivalent Volume	VAS	.02 liters
Sensitivity (2.83V / 1M)	SPL	90.10 dB

Electrical Parameters

DC Resistance	DCR	4.85 ohms
Nominal Impedance	NOM	6.00 ohms
Voice Coil Inductance	LE	.08 mH

Power Handling

Long Term Power Handling*	90 watts
Short Term Power Handling*	150 watts

Magnet and Voice Coil

Voice Coil Diameter	25.00 mm
Voice Coil Winding Height	2.40 mm
Voice Coil Layers	2
Gap Height	3.00 mm
Linear Excursion Xmax	.30 mm

Dimensions and Weight

Total Unit Weight	.47 kg
Total Outside Diameter	127.00 mm
Total Depth	62.50 mm

*IEC 268-5

All specifications are subject to change without notice

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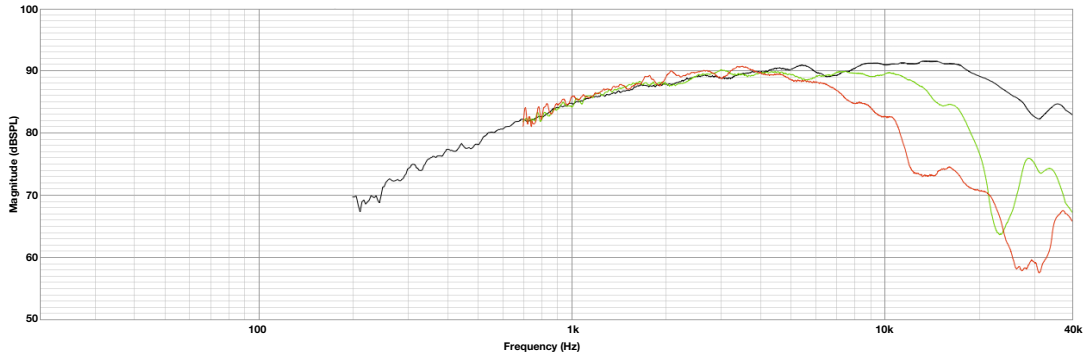
Frequency Response (1/12 Octave Smoothing)



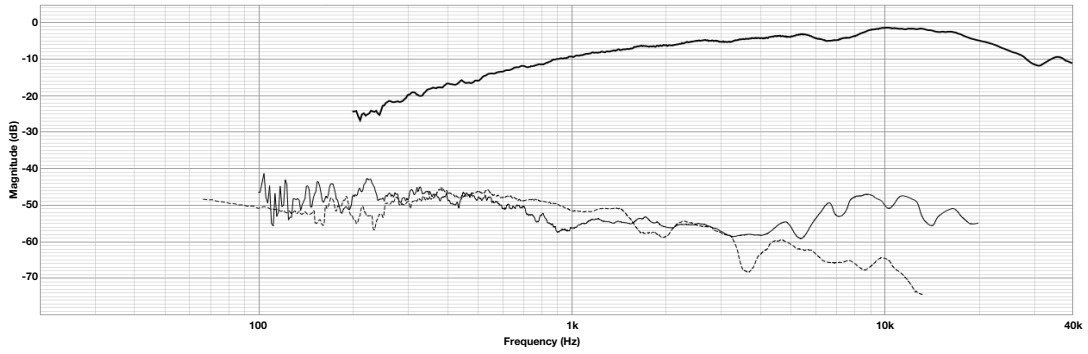
Curve Description

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)



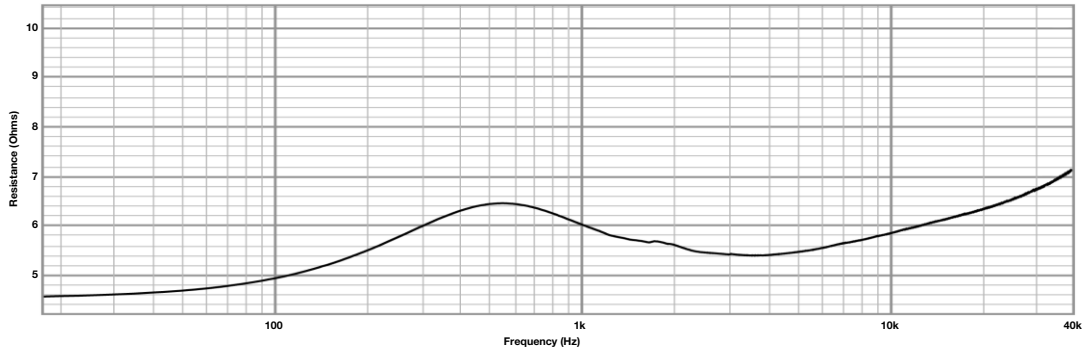
Curve Description

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