

# C25-6-158

Tweeter

DOMEMATERIAL: CERAMIC  
APPLICATION: TWEETER  
NOMINAL DIAMETER: 25 mm  
SENSITIVITY: 92.5 dB

### MAIN FEATURES :

FULL FEATURED CELL CONCEPT

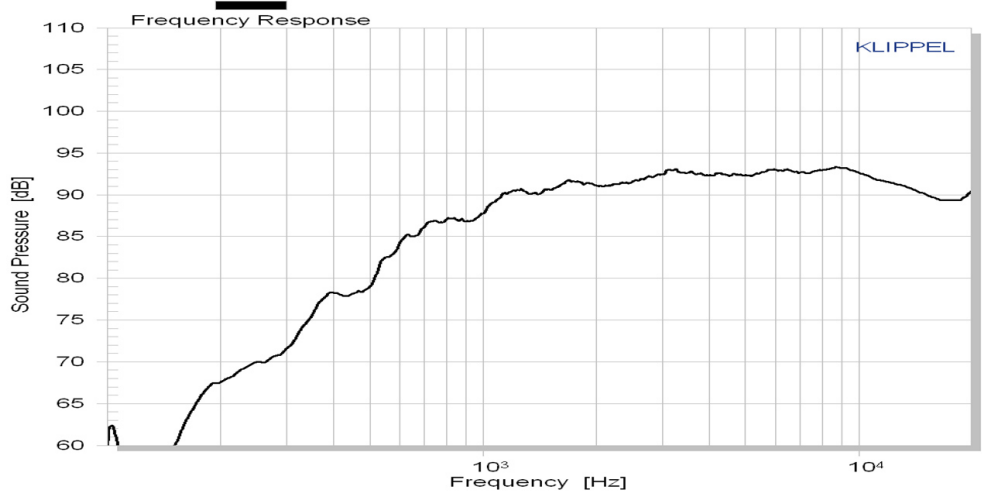
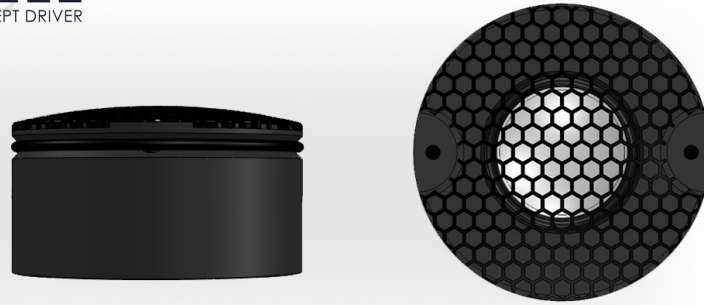
UNDERHUNG MOTOR DESIGN

VENTED VC & POLE PIECE

NO FERROFLUID FILLING

2000 HZ - 30 KHZ

CELL<sup>®</sup>  
CONCEPT DRIVER



The **C25 - 6 - 158** is a 1 inch tweeter with ultra hard ceramic dome in a 58 mm body.

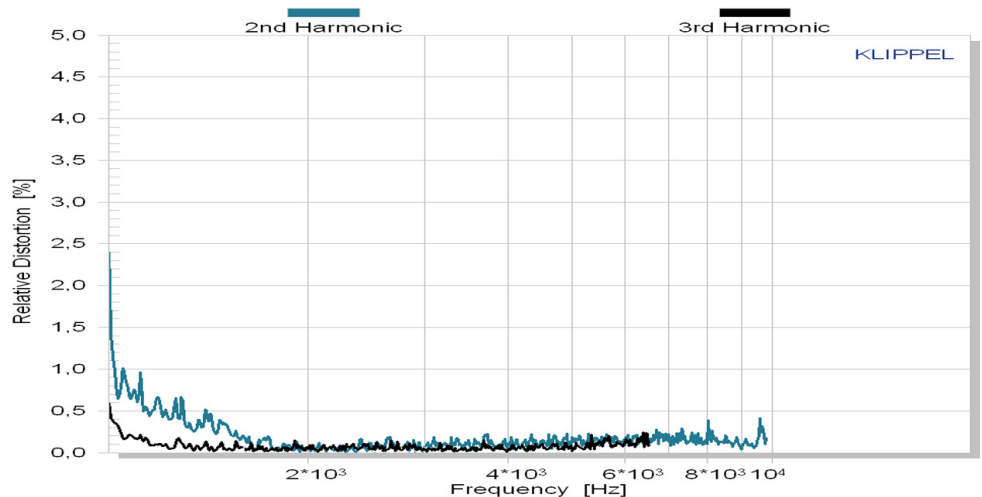
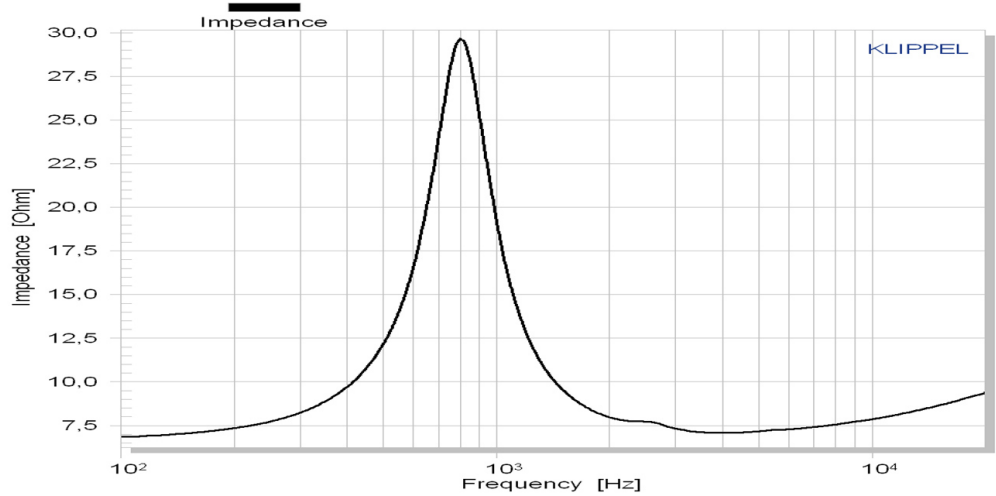
A proprietary clamping technique provides easy mounting and adapting to individual front-plates.

As the dome breakup is above the audible range and well damped, no dome cutouts are required.

A unique FEA optimized underhung motor design with vented aluminium voice coil former and double neodymium magnet guarantees low energy storage, excellent heat transfer and high excursion capability for low power compression and ultra low distortion around 0.07% @ 2.83V and 0.5% max. @ 110dB.

The new designed soft fabric surround centers the moving parts with improved linearity.

We recommend an application above 2000 Hz.



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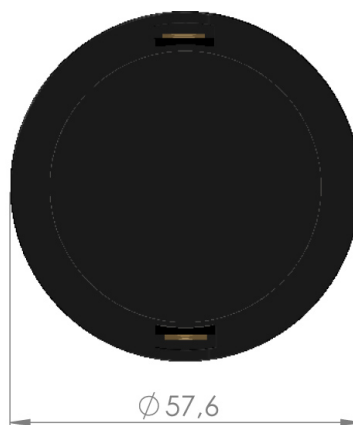
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recommended cutout diameter: 58 -0/+0.1

Mechanical data			
Overall diameter		57.6	mm
Cutout hole diameter		58	mm
Frontplate depth minimum		6	mm
Overall depth		28	mm
Motor assembly diameter		-	
Motor assembly depth		-	
Screwdriver required		DIN 7984, 3mm	
Terminal		+ : 4.8 x 0.8 / - : 2.8 x 0.8	mm
Shipping weight / net weight (one piece)		0.48 / 0.38	mm
Shipping box size (pair)		130 / 130 / 190	mm

Thiele/Small Parameters			
Sensitivity (2.83V / 1m)	Lp	92.5*	dB
DC-resistance	Re	5.8	Ohm
resonance frequency	Fs	810	Hz
equivalent volume of air	Vas	-	L
mechanical Q	Qms	2.68	
electrical Q	Qes	0.81	
total Q	Qts	0.61	
effective piston area	Sd	5.94	cm <sup>2</sup>
moving mass	Mms	0.17	g
suspension compl.	Cms	0.235	mm/N
mechanical resistance	Rms	0.86	kg x s

Voice Coil data			
Power handling	P	100*	Watt
Linear excursion	Xmax	+/- 1.2	mm
Voice coil diameter		-	mm
Voice coil former material		Al	
Voice coil wire material		Cu	
Voice coil inductance	Le	0.01	mH
Force factor	Bl	3.27	N/A
Motor type		Underhung	
Ferrofluid filling		no	

 \* Please refer to [www.accuton.com](http://www.accuton.com) for exact measurement conditions and further information.