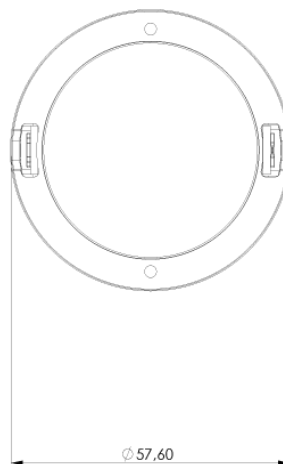
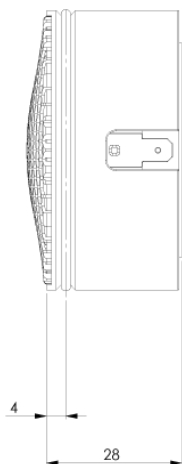




## **C25-6-158 CELL CERAMIC TWEETER**

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 frontplates. 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 titanium 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. The new designed soft fabric surround centers the moving parts with improved linearity. We recommend our C25-6-158 in an application above 2000 Hz.



recommended  
cutout  
diameter: 58 -0/+0.1

Dome material	Ceramic
Application	Tweeter
Overall diameter	57.6 MM
Cutout Diameter/Square	58 MM
Overall depth	28 MM
Motor assembly depth	--
Motor assembly diameter	--

## MAIN FEATURES

full featured cell concept  
 underhung motor design  
 vented vc & pole piece  
 no ferrofluid filling  
 2000 HZ - 25000 HZ

## MECHANICAL DATA

Specification	Value	Unit
Overall diameter	57.6	mm
Cutout Diameter/Square	58	mm
Min. frontplate thickness	6	mm
Overall depth	28	mm
Motor assembly depth	--	mm
Motor assembly diameter	--	mm
Screwfitting	--	mm
Terminal	+: 4.8 x 0.8 / -: 2.8 x 0.8	mm
Shipping weight (pair)	0.6	Kg
Shipping box size (pair)	175/82/45	mm

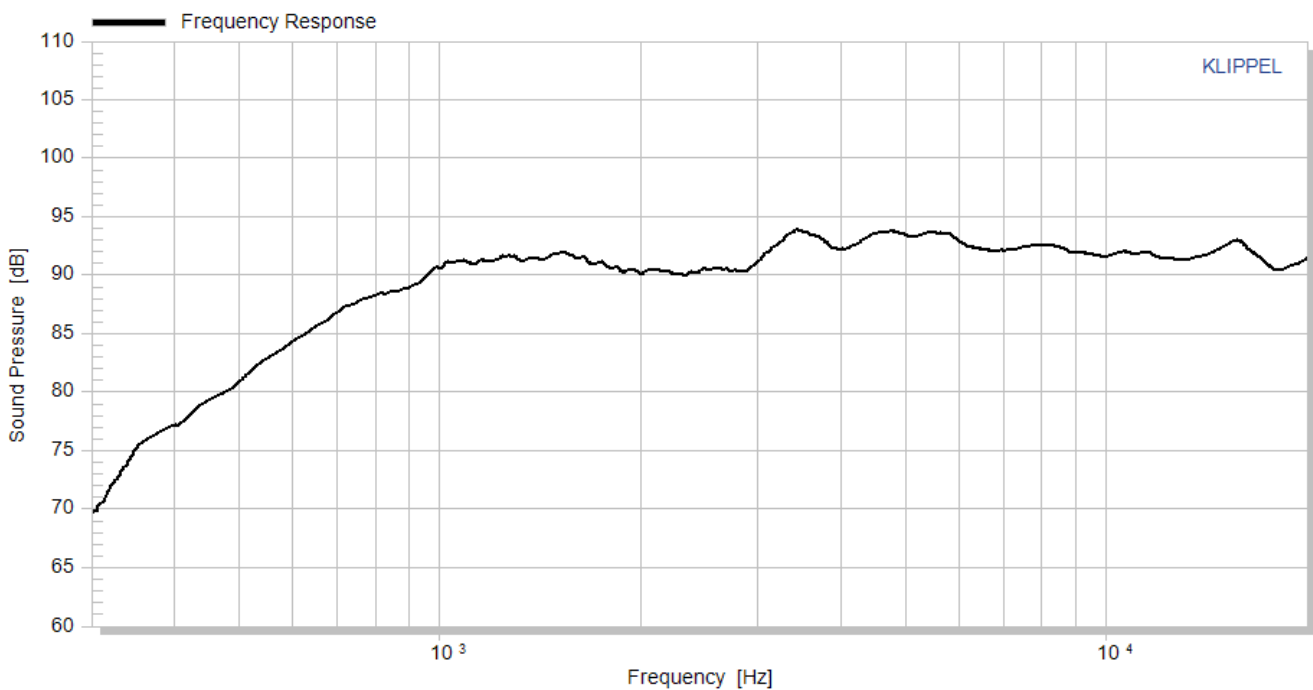
## THIELE/SMALL PARAMETERS

Specification		Value	Unit
Sensitivity (2.83V / 1m)	Spl	92.5	dB
DC-resistance	Re	5.69	Ohm
Resonance frequency	Fs	905	Hz
Equivalent volume of air	Vas	-	ltr
Mechanical Q	Qms	2.87	
Electrical Q	Qes	0.97	
Total Q	Qts	0.73	
Effective piston area	Sd	5.94	Cm <sup>2</sup>
Moving mass	Mms	0.28	g
Suspension compliance	CMs	0.235	mm/n
Mechanical resistance	Rms	0.86	Kg*s

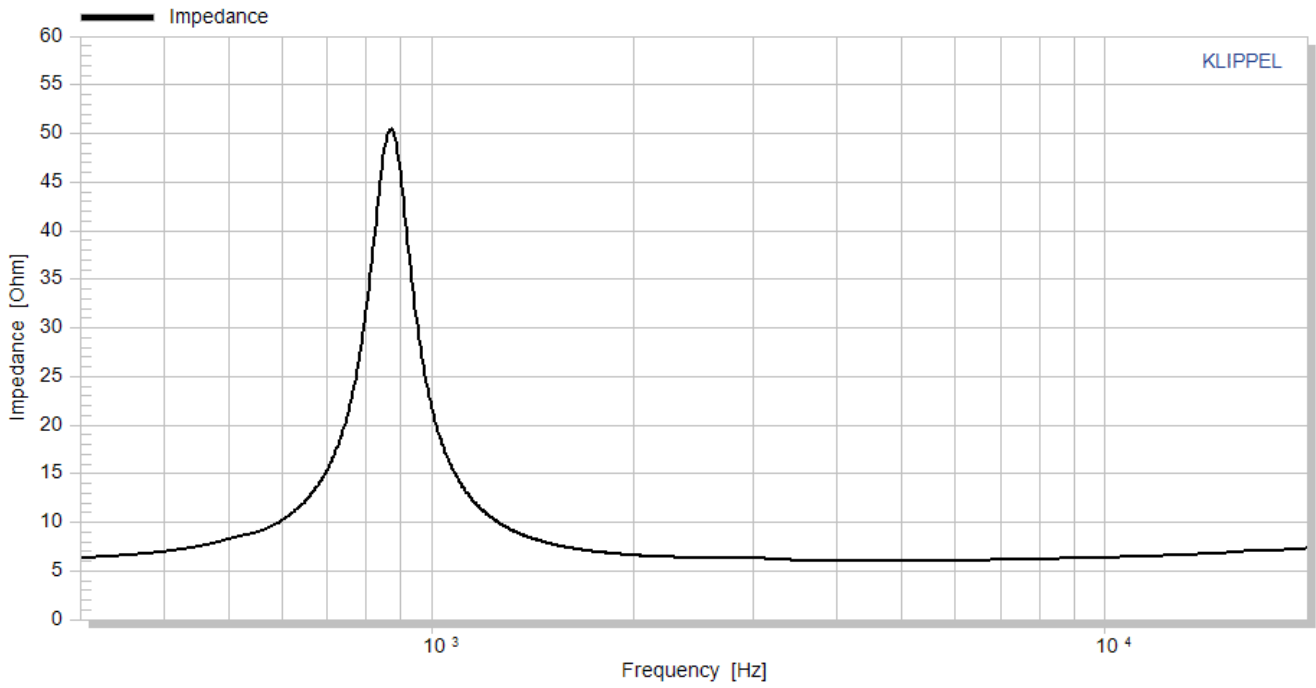
## VOICE COIL PARAMETERS

Specification		Value	Unit
Power handling	P	100	W
Linear excursion	Xmax	+/-0.9	mm
Voice coil diameter		--	mm
Voice coil former material		Ti	
Voice coil material		Cu	
Voice coil inductance	Le	0.02	mH
Force factor	Bl	3.27	N/A
Motor type		Underhung	
Ferrofluid filling		No	

## FREQUENCY RESPONSE [DB]



## IMPEDANCE [OHM]



## HARMONIC DISTORTION [%]

