C30-6-358

Tweeter

DOMEMATERIAL:	CERAMIC
APPLICATION:	TWEETER
NOMINAL DIAMETER:	30 mm
SENSITIVITY:	93.5 dB

MAIN FEATURES :

- FULL FEATURED CELL CONCEPT
- UNDERHUNG MOTOR DESIGN
- VENTED VC & POLE PIECE
- NO FERROFLUID FILLING
- 1800 HZ - 30 KHZ

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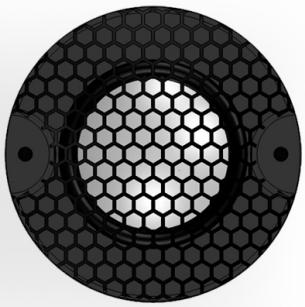

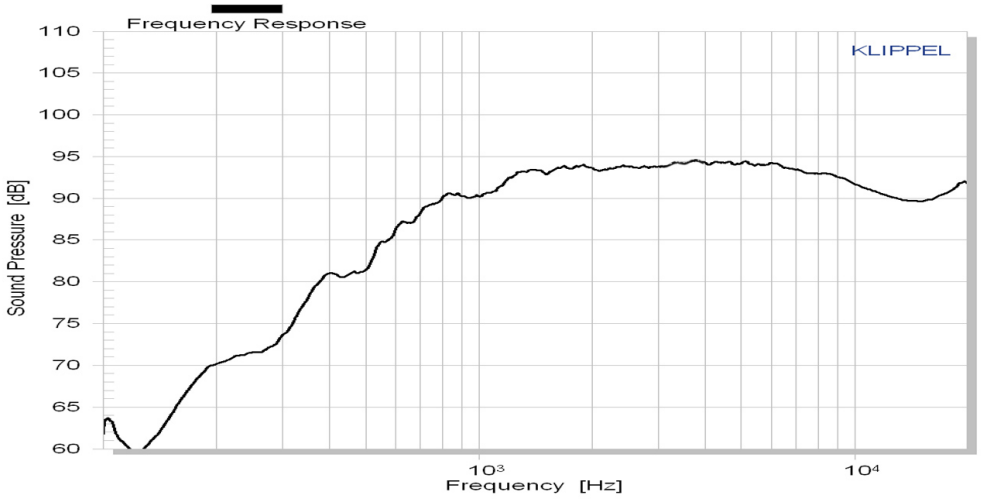

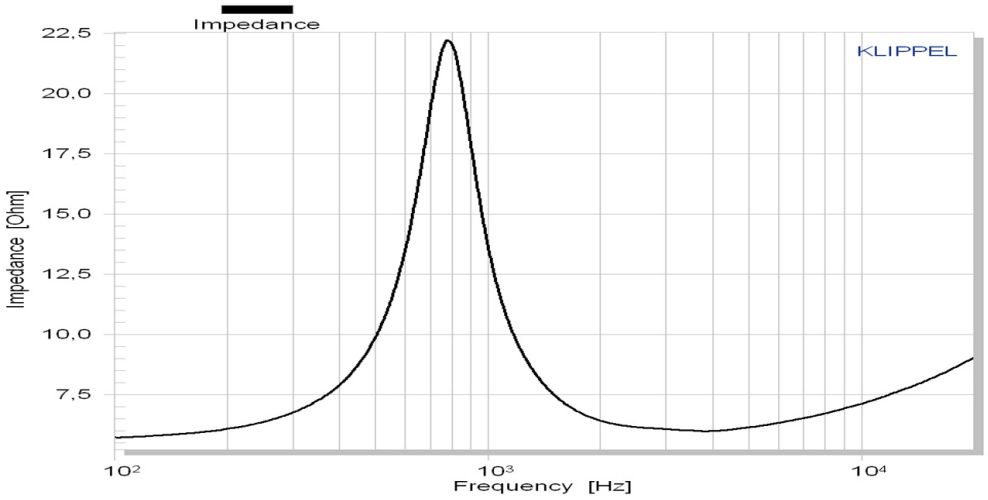

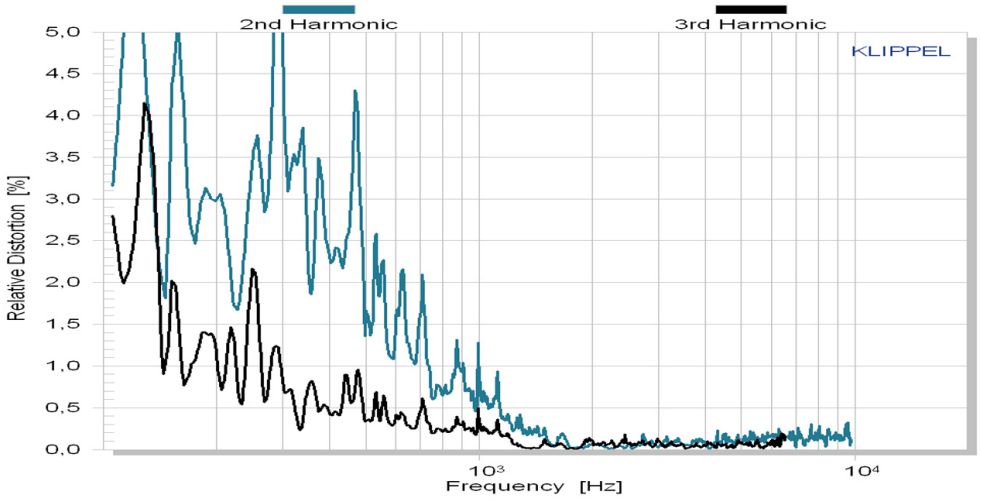

The **C30 - 6 - 358** is a 1.2 inch tweeter with ultra hard ceramic dome in a 58 mm body.

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 1800 Hz.

CELL® CONCEPT DRIVER

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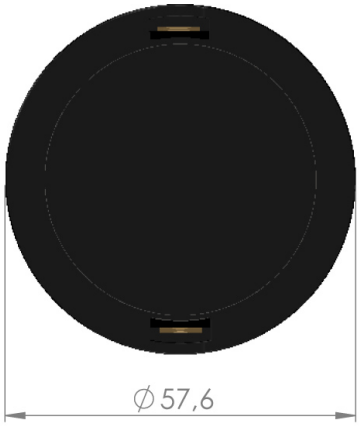

recommended cutout diameter: 58 -0/+0.1

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	93.5*	dB
DC-resistance	Re	5.8	Ohm
resonance frequency	Fs	810	Hz
equivalent volume of air	Vas	-	L
mechanical Q	Qms	2.54	
electrical Q	Qes	0.81	
total Q	Qts	0.62	
effective piston area	Sd	8.55	cm²
moving mass	Mms	0.28	g
suspension compl.	Cms	0.145	mm/N
mechanical resistance	Rms	0.97	kg x s

Voice Coil data			
Power handling	P	120*	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	3.98	N/A
Motor type		Underhung	
Ferrofluid filling		no	

* Please refer to www.accuton.com for exact measurement conditions and further information.

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