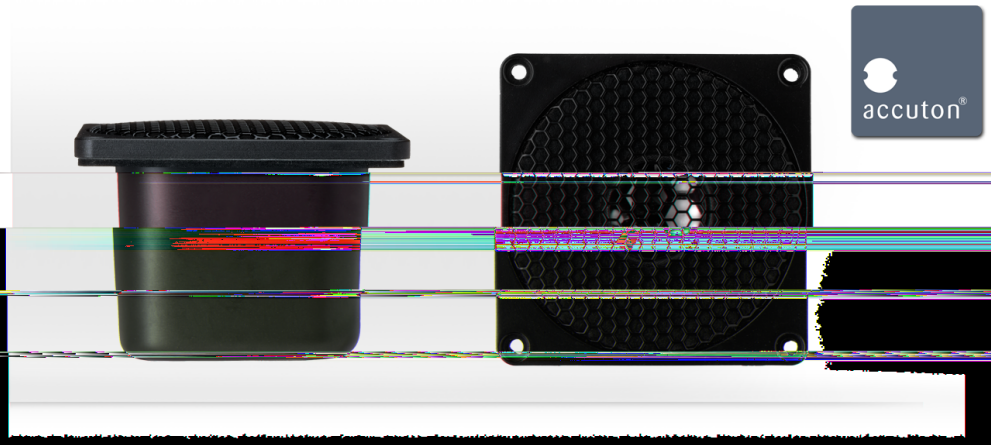
BD25-6-034

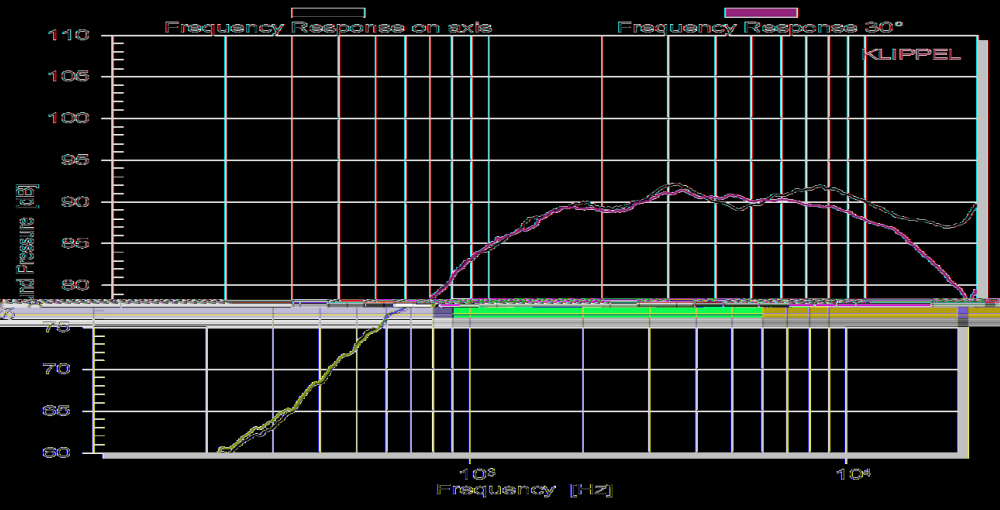
Tweeter

DOME MATERIAL:	DIAMOND
APPLICATION:	TWEETER
NOMINAL DIAMETER:	25 mm
SENSITIVITY:	91 dB



MAIN FEATURES:

- UNDERHUNG MOTOR DESIGN
- SOFT FABRIC SURROUND
- VENTED VC & POLE PIECE
- FERROFLUID FILLING
- 2000 HZ - 60 KHZ



The **BD25-6-034** is a 1 inch tweeter with ultra hard diamond dome in a 82 mm frontplate.

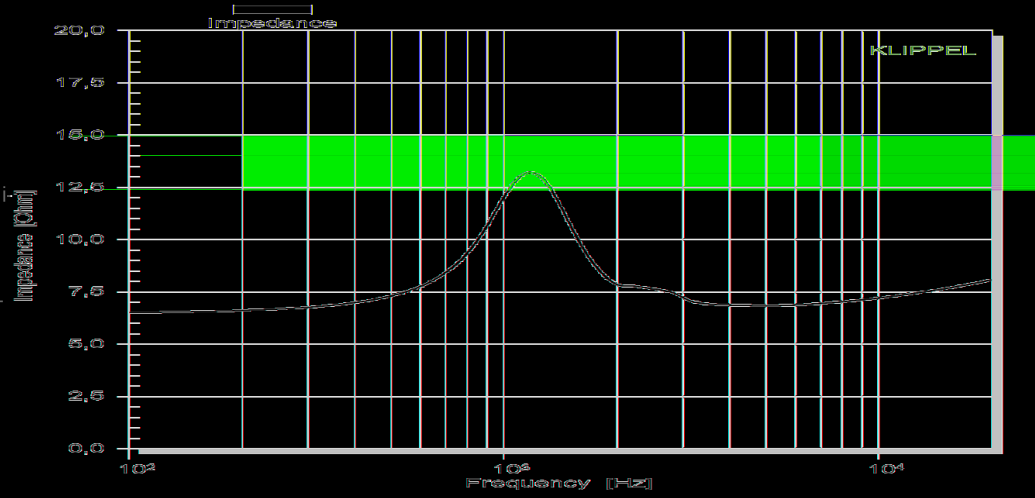
As the dome breakup is around 60 kHz and well damped, no cutouts are required.

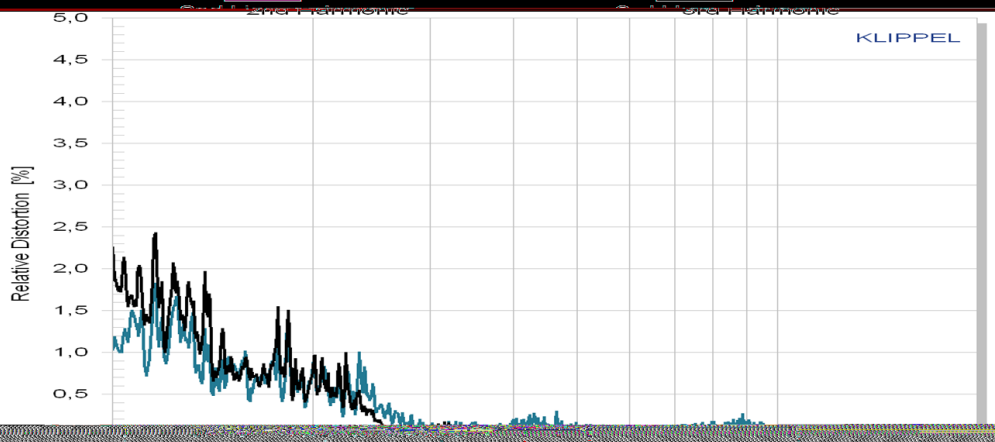
The unsurpassed rigidity of the diamond dome leads to most accurate conversion from electrical energy to sound pressure.

An FEA optimized underhung motor design with vented aluminium voice coil former and neodymium magnet guarantees low energy storage and excellent heat transfer.

The soft fabric surround and ferrofluid with high viscosity center the moving parts with distinctive linearity.

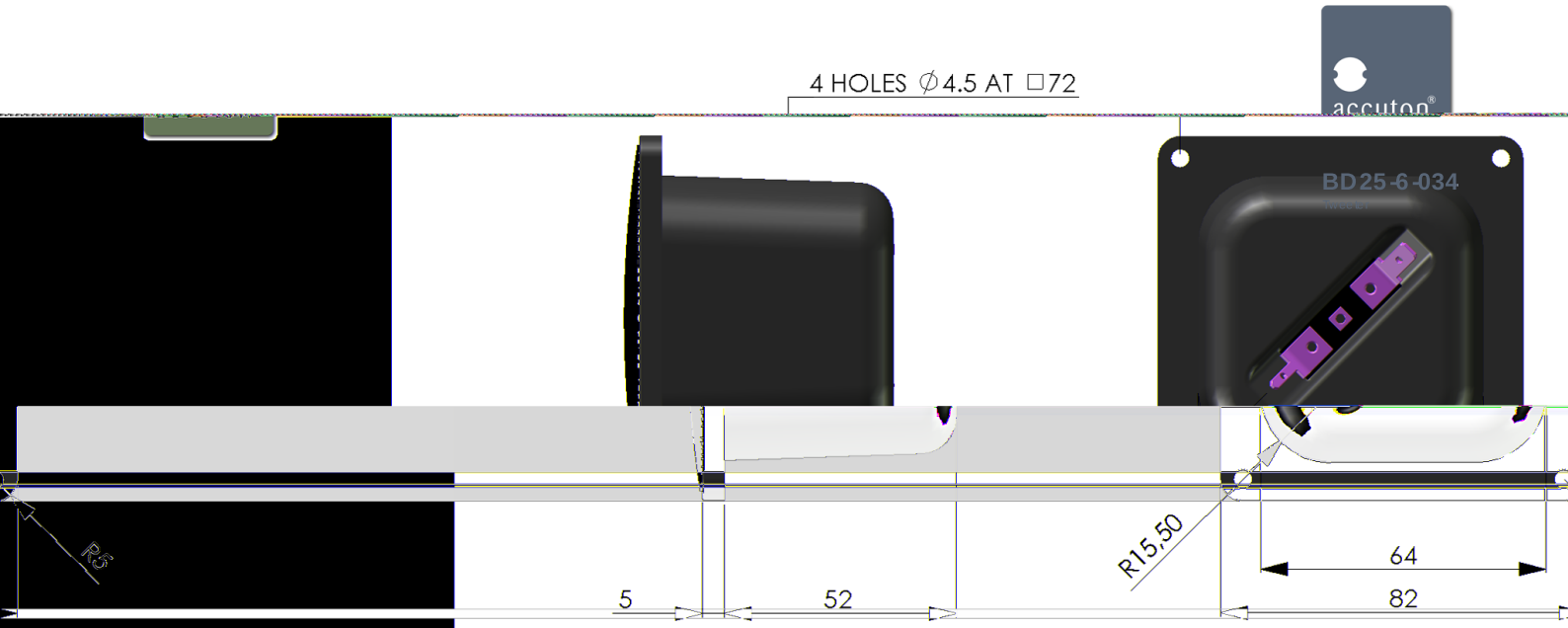
We recommend an application above 2000 Hz.





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Thiel & Partner GmbH Kantstrasse 1 50259 Pulheim T +49 (0) 2238 / 475475 a.bankewitz@accuton.com



Mechanical data			
Overall square	82	mm	
Cutout hole square	64	mm	
Front plate depth	5	mm	
Overall depth	57	mm	
Motor assembly diameter	-		
Motor assembly depth	-		
Screw fitting	DIN 7984, 4mm		
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	91*	dB	
DC-resistance	Re	6.3	Ohm	
resonance frequency	Fs	1189	Hz	
equivalent volume of air	Vas	-	L	
mechanical Q	Qms	2.30		
electrical Q	Qes	1.79		
total Q	Qts	1.01		
effective piston area	Sd	6.38	cm²	
moving mass	Mms	0.25	g	
suspension compl.	Cms	0.069	mm/N	
mechanical resistance	Rms	0.84	kg x s	

Voice Coil data			
Power handling	P	120*	Watt
Linear excursion	Xmax	+/- 0.15	mm
Voice coil diameter		16.4	mm
Voice coil former material		Al	
Voice coil wire material		Cu	
Voice coil inductance	Le	0.02	mH
Force factor	Bl	2.61	N/A
Motor type		Underhung	
Ferrofluid filling		yes	

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

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