C50-8-044

High - midrange driver

DOMEMATERIAL:	CERAMIC
APPLICATION:	TWEETER
NOMINAL DIAMETER:	50 mm
SENSITIVITY:	89 dB

MAIN FEATURES :

- SPECIAL DOME CUTOUTS
- OVERHUNG MOTOR DESIGN
- SOFT FABRIC SURROUND
- VENTED VC & POLE PIECE
- FERROFLUID FILLING
- 800 HZ - 12 KHZ

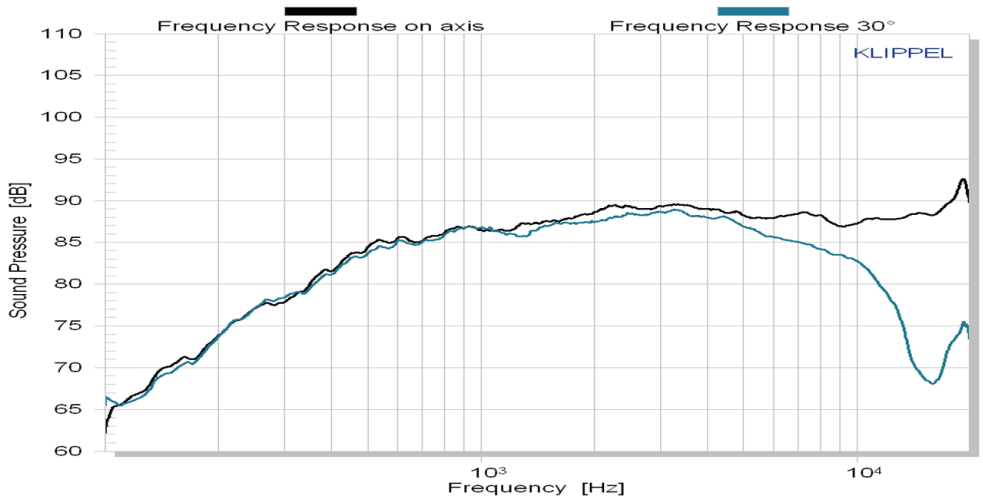
The **C50 - 8 - 044** is a 2 inch tweeter with ultra hard ceramic dome in a 106 mm frontplate.

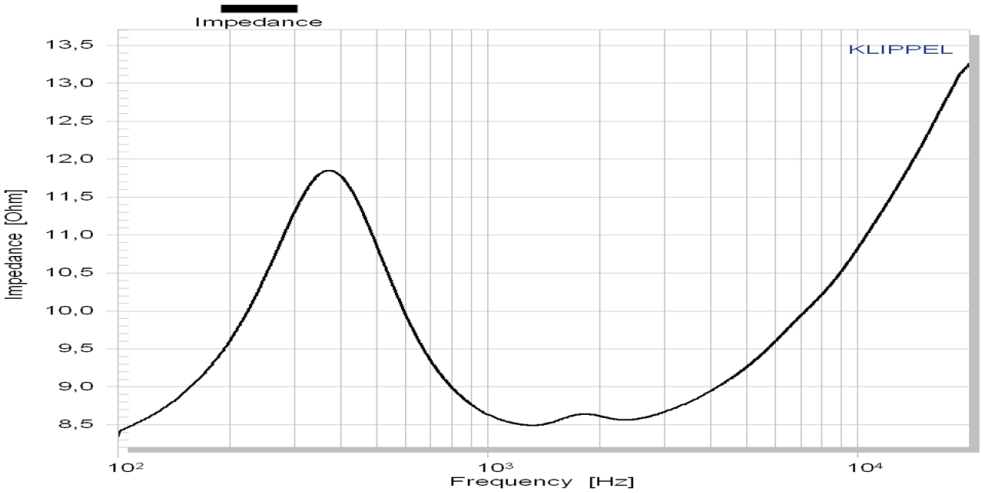
Anti-resonant cutout fills in the ceramic dome provide for damping of the dome resonance.

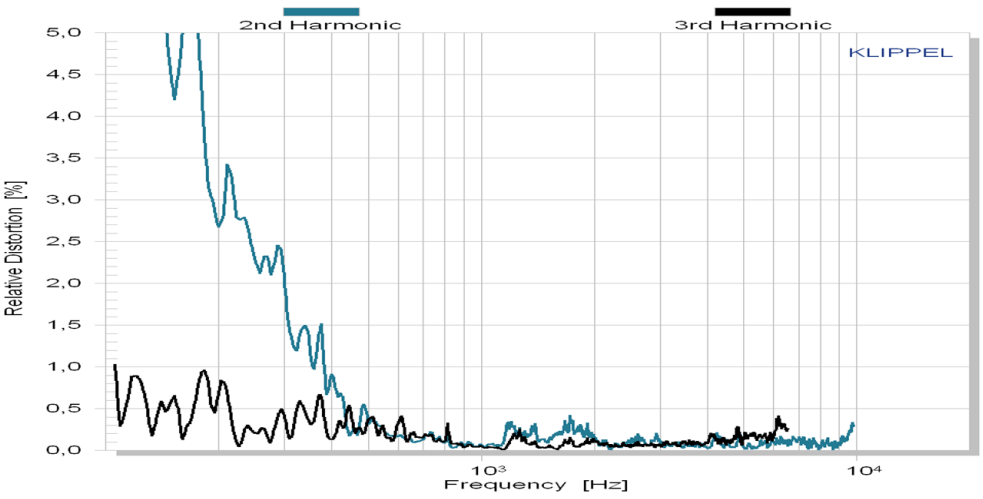
An overhung motor design with vented aluminium voice coil former guarantees low energy storage and excellent heat transfer.

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

We recommend an application above 800 Hz.







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

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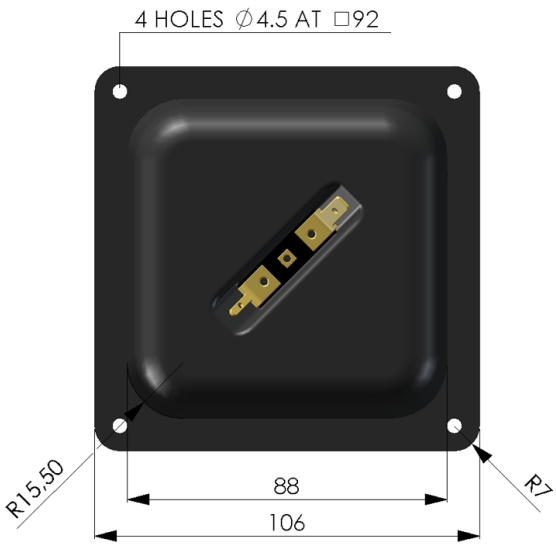
High-midrange driver



Mechanical data

Overall square	106	mm
Cutout hole square	88	mm
Frontplate depth	5.5	mm
Overall depth	67.5	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)	0.98 / 0.88	kg
Shipping box size (pair)	130 / 130 / 190	mm

Thiele/Small Parameters

Sensitivity (2.83V / 1m)	Lp	89*	dB
DC-resistance	Re	8.0	Ohm
resonance frequency	Fs	380	Hz
equivalent volume of air	Vas	-	L
mechanical Q	Qms	1.08	
electrical Q	Qes	2.32	
total Q	Qts	0.74	
effective piston area	Sd	23.8	cm²
moving mass	Mms	1.19	g
suspension compl.	Cms	0.147	mm/N
mechanical resistance	Rms	2.64	kg x s

Voice Coil data

Power handling	P	120*	Watt
Linear excursion	Xmax	+/- 0.75	mm
Voice coil diameter		30.5	mm
Voice coil former material		Al	
Voice coil wire material		Cu	
Voice coil inductance	Le	0.04	mH
Force factor	Bl	3.13	N/A
Motor type		Overhung	
Ferrofluid filling		yes	

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

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