

C168-06-890

Bass - midrange driver

DOMEMATERIAL: Ceramic
APPLICATION: BASS
NOMINAL DIAMETER: 168 mm
SENSITIVITY: 87 dB

MAIN FEATURES :

FULL FEATURED CELL CONCEPT

IDEAL ACOUSTICAL CENTER

NO COMPRESSION DESIGN

PROPRIETARY MOTOR SYSTEM

40 HZ - 4000 KHZ IN VENTED BOX

The **C168 - 06 - 890** is a 7 inch bass - midrange driver with **ceramic dome**, being the first in an entirely new approach to accuton speaker design

We pushed on speaker evolution again by inventing the **4D (Direct Dome Drive Design) concept**, providing the shortest distance between voice-coil winding and dome. The spider is not connected to the voice-coil former anymore, thus removing 15 mm of unnessecary former length. The result is an extremely true reaction of the dome.

The low loss rubber **surround** is connected to the **voice-coil** former, preventing any kind of interaction with the dome. An **open fabric spider** centers the **dome** with a direct connection and high linearity.

An **ideal acoustical** center has been achieved, which is identical with our tweeters.

Its **novel designed underhung motor** does not cover the back-side of the dome, eliminating the chance for reflections and energy storage.

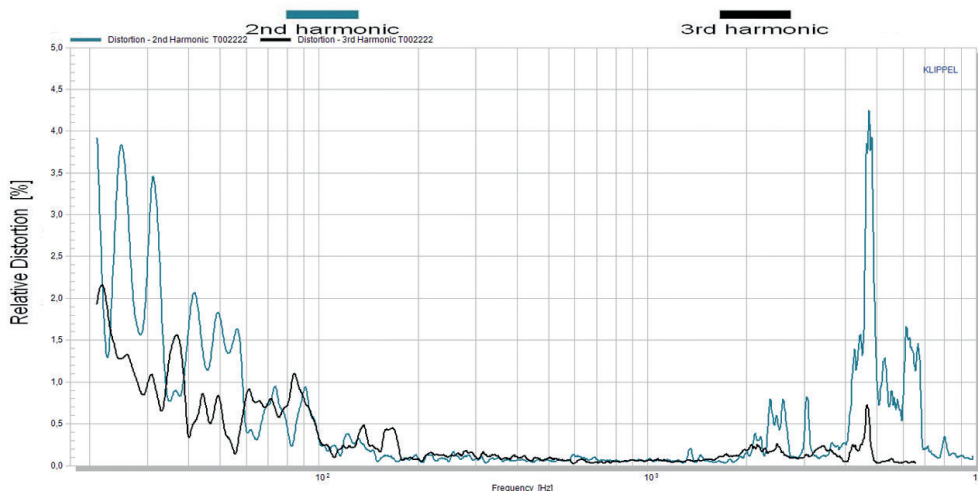
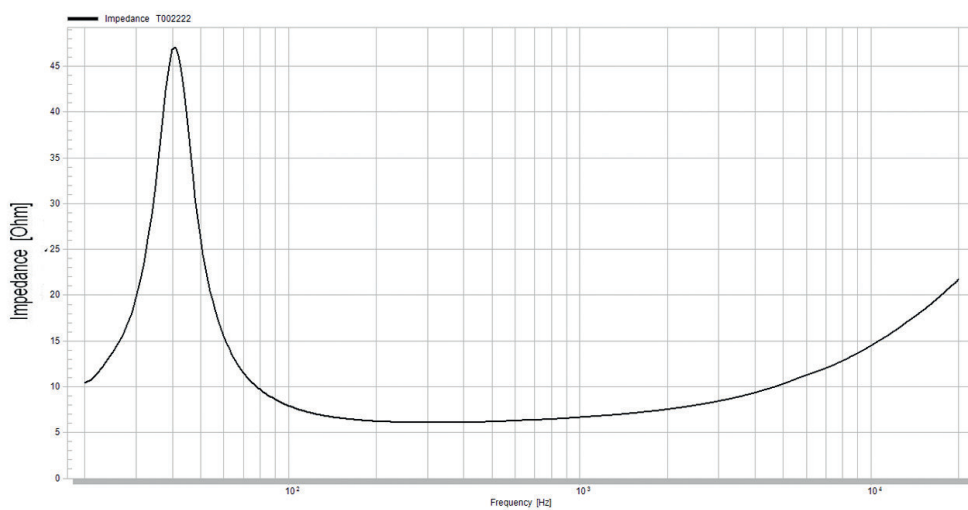
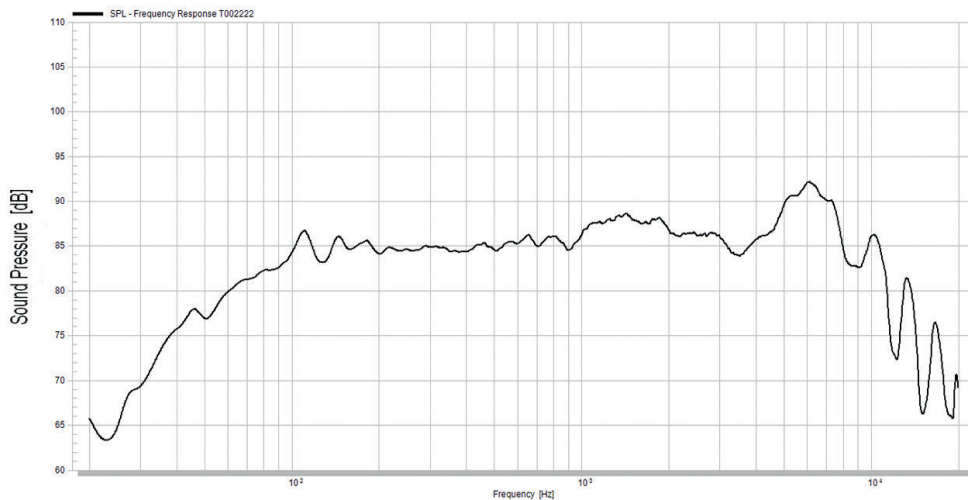
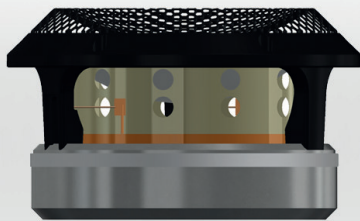
We recommend our **C168-06-890** for an application from 40 Hz – 4000 Hz.

CELL[®]

CONCEPT DRIVER

CELL[®]

CONCEPT DRIVER



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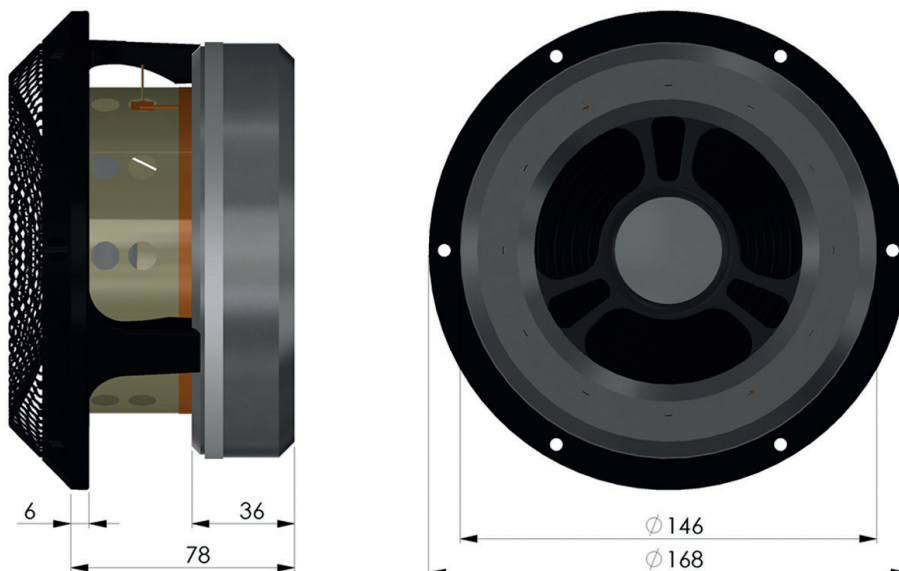
Thiel & Partner GmbH

Rommerskirchenerstrasse 21 50259 Pulheim

T +49 (0) 2238 / 9410 501 dirk.vaehsen@accuton.com



C168-06-890
Bass - midrange driver



Mechanical data		
Overall diameter	168	mm
Cutout diameter	146	mm
Frontplate depth	6	mm
Overall depth	78	mm
Motor assembly diameter	146	mm
Motor assembly depth	36	mm
Screwfitting	DIN 7984, 4mm	
Terminal	+ : 6.3 x 0.8 / - : 4.8 x 0.8	mm
Shipping weight / net weight		kg
Shipping box size		mm

Thiele/Small Parameters			
Sensitivity (2.83V / 1m)	E	87*	dB
DC-resistance	Re	5.1	Ohm
resonance frequency	Fs	41	Hz
equivalent vol. of air	Vas	15	L
mechanical Q	Qms	4.42	
electrical Q	Qes	0.49	
total Q	Qts	0.44	
effective piston area	Sd	123	cm ²
moving mass	Mms	21	g
suspension compl.	Cms	0,71	mm/N
mechanical resistance	Rms	1.2	kg x s

Voice Coil data			
Power handling	P	120*	Watt
Linear excursion	Xmax	+/- 5	mm
Voice coil diameter		114	mm
Voice coil former material		Ti	
Voice coil material		Cu	
Voice coil inductance	Le	0.2	mH
Force factor	Bl	7.5	N/A
Motor type		Overhung	
Ferrofluid filling		no	

* See www.accuton.com for exact measurement conditions.

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