

## S220-6-221

Bass driver



accuton®

DOMEMATERIAL:	SANDWICH
APPLICATION:	BASS
NOMINAL DIAMETER:	220 mm
SENSITIVITY:	89 dB

### MAIN FEATURES :

OVERHUNG MOTOR DESIGN

38 MM TITANIUM VC FORMER

SOFT RUBBER SURROUND

VENTED VC, POLE PIECE & SPIDER

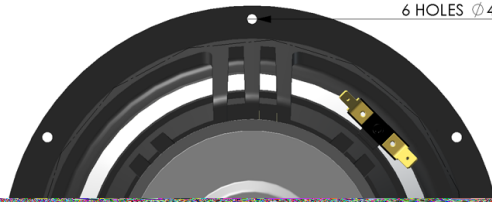
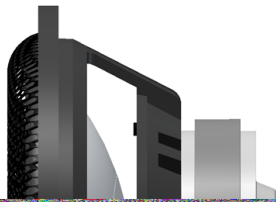
31 HZ - 1 KHZ IN VENTED BOX

The **S220 – 6 – 221** is an 8 inch bass driver with ultra stiff **ceramic - sandwich dome**.

A **FEA optimized** overhung motor design with 38 mm titanium voice coil former guarantees very low energy storage and good heat transfer.

The low loss rubber surround and a **thin fabric spider** center the moving parts with high linearity.

As a typical home stereo bass driver, we recommend our S220-6-221 for an application from 31 Hz - 1000 Hz.



6 HOLES  $\varnothing 4,50$  AT  $\varnothing 208$



**S220-6-221**  
Bass driver

#### Mechanical data

Overall diameter	220	mm
Cutout hole diameter	190.5	mm
Frontplate depth	9	mm
Overall depth	105	mm
Motor assembly diameter	120	mm
Motor assembly depth	42	mm
Screw fitting	DIN 7984, 4mm	
Terminal	+ : 6.3 x 0.8 / - : 4.8 x 0.8	mm
Shipping weight / net weight	2.4 / 2.1	kg
Shipping box size	250 / 145 / 250	mm

#### Thiele/Small Parameters

Sensitivity (2.83V / 1m)	Lp	89*	dB
DC-resistance	Re	5.8	Ohm
Resonance frequency	Fs	21	Hz
Equivalent volume of air	Vas	116	L
Mechanical Q	Qms	6.6	
Electrical Q	Qes	0.38	
Total Q	Qts	0.36	
Effective piston area	Sd	227	cm <sup>2</sup>
Moving mass	Mms	33.6	g
Suspension compliance	Cms	1.63	mm/N
Mechanical resistance	Rms	0.69	kg x s

#### Voice Coil data

Power handling	P	150*	Watt
Linear excursion	Xmax	+/- 5	mm
Voice coil diameter		38	mm
Voice coil former material		Ti	
Voice coil material		Cu	
Voice coil inductance	Le	0.8	mH
Force factor	Bl	8.9	N/A
Motor type		Overhung	
Ferrofluid filling		no	

\* Please refer to [www.accuton.com](http://www.accuton.com) for exact measurement conditions and further information.

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