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ceramic drivers - carefully made in Germany by Thiel & Partner GmbH, D-50259 Pulheim

ACCUTON C²23-6

item number: #C23-A6/19/5.4/1-3F72/15-T350



High efficiency, ferrofluid filled tweeter with 30 mm light weight concave ceramic dome. Perfect choice for 2-way systems or high power 3-way designs. Very high resolution and very good dispersion up to 32 kHz. Low resonance frequency allows first order filtering and a crossover frequency as low as 1.7 kHz.

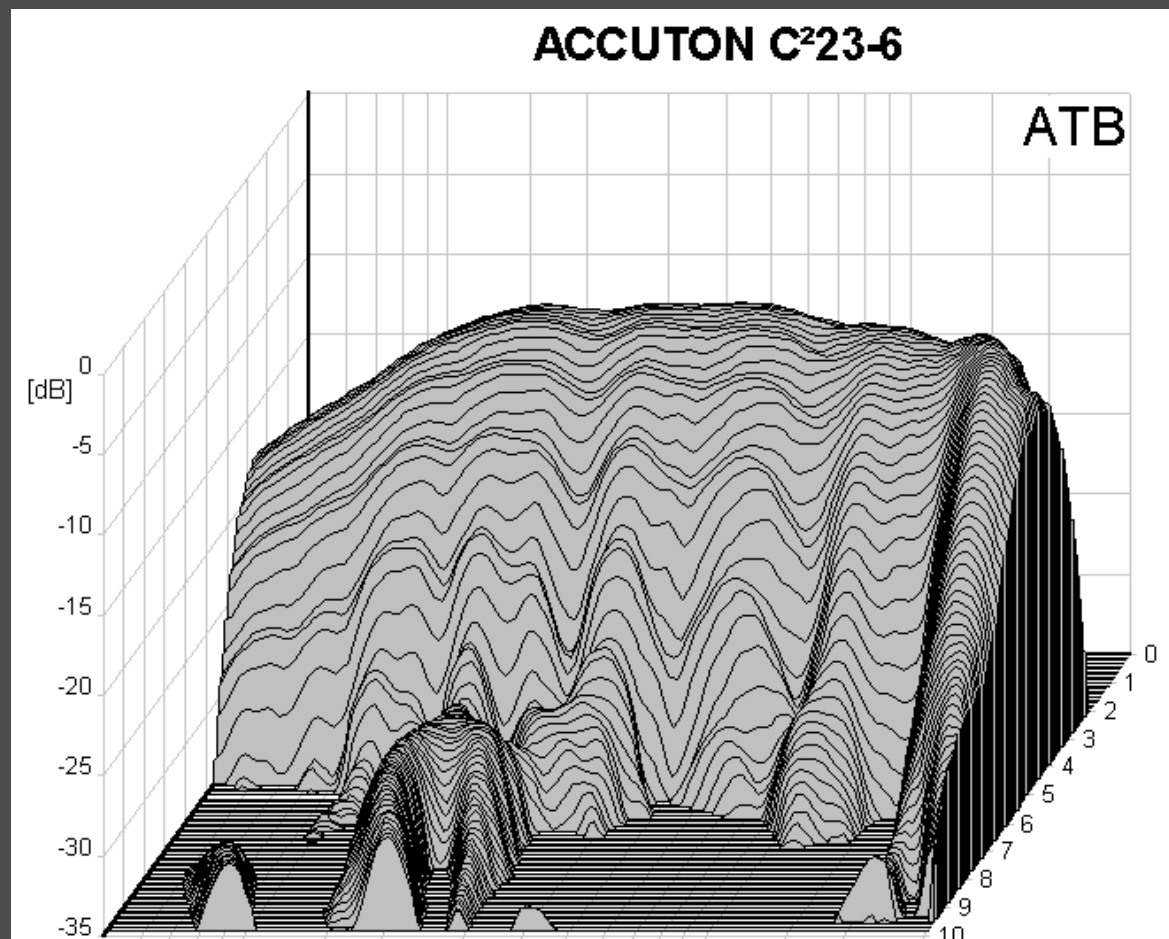
The ultra hard ceramic dome material moves like a piston well above the audible frequency band and the high internal sound velocity features very low distortion and virtually no coloration.



recommended frequency range: 1.8 kHz - 32 kHz

Thiele/Small Parameters:			
Sensitivity	E	89.5	dB
DC-resistance	R	6.1	Ohm
resonance frequency	fres	350	Hz
Equivalent volume of air	Vas		l
mechanical Q	Qms		
electrical Q	Qes		
total Q	Qts		
effective piston area	S	8.5	cm ²
moving mass	Mms	0.4	g
Suspension Compliance	Cms		mm/N
mechanical restance	Rms		kg/s ⁻¹

Voice coil / Magnet Data:			
Power Handling, filtered	P	100	Watt
Voice coil diameter	D	19.4	mm
Voice coil former		Al	
Voice coil height	h	5.4	mm
Number of layers		1	
Voice coil inductance	Lbm	0.04	mH
pole plate thickness		3.0	mm
linear excursion	Xmax		mm
Flux density	B	1.65	T
Force factor	BL		NA ⁻¹
Ferrofluid filling		yes	



500 1k 2k 5k 10k 20k [Hz]

Spectral decay (waterfall) plot with Z-axis in periods. Signal is 6 Volt cosine burst with a length of 5 periods.
Some irregularities at 2 - 3 kHz due to reflections in the measuring room

Mechanical Dimensions:		
Outer Dimensions	106 x 106	mm
Cutout Dimensions	89 x 89	mm
Frontplate Thickness	6,5	mm
Overall Depth	67	mm
Mounting hole diam.	5.0	mm
Mounting hole distance	92 x 92	mm
Frontplate corner radius	7.0	mm
Cutout hole corner radius	24.5	mm

Shipping information:		
net weight / piece	980	g
gross weight / pair	2150	g
box size / pair	29 x 9.5 x 14	cm
quantity shipping unit	18	pcs
weight shipping unit	20.5	kg
size shipping unit	45 x 30 x 31	cm
shipping box	carton	

Click below for more technical information of this driver:

» [C²23-6 ATB K₂ and K₃ distortion measurements](#) - HTML-22 KByte

opens next window with ATB measurements of K₂ and K₃ distortion.
Measurements made by Bernhard Thiel with IEC norm baffle.

» [C²23-6 MLSSA measurements](#) - HTML-24 KByte

opens next window with MLSSA measurements made in box by Dipl.Ing. Bernd Timmermanns, former chief editor of "Klang & Ton", now chief editor of "Hobby Hifi", the German speaker builder magazine. Measurements include amplitude (SPL), impedance, step response and spectral decay plot (waterfall diagram).

» [C²23-6 ATB measurements](#) - PDF-16 KByte

opens a PDF file with ATB measurements of amplitude, on axis and 30 degrees, impedance, step response, K₂ and K₃ distortion. Measurements made by Bernhard Thiel with IEC norm baffle. You will need Adobe Acrobat Reader 4.0 to view this file.

» [C²23-6 technical drawing](#) - PDF-42 KByte

opens a PDF file with technical drawing of this driver. You will need Adobe Acrobat Reader 4.0 to view this file.

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