

You are here: [ACCUTON](#) > [products](#) > [ceramic drivers](#) > C<sup>2</sup>89-T6

[« back](#)

[» ceramic drivers](#)  
[» diamond drivers](#)  
[» special offers](#)

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

## ACCUTON C<sup>2</sup>89-T6

item number: #C89-T6/38/9.2/1-4F102/32-R34



Bass-midrange driver with 90 mm light weight concave ceramic dome, high loss rubber surround and titanium voice coil former. Made without ears for high excursion. Perfect choice for small 2-way systems as bass-midrange driver or high quality 3-way systems as low midrange. Very high resolution and very good dispersion up to 5 kHz. Low resonance frequency allows first order filtering and a crossover frequency as high as 4000 Hz.

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.

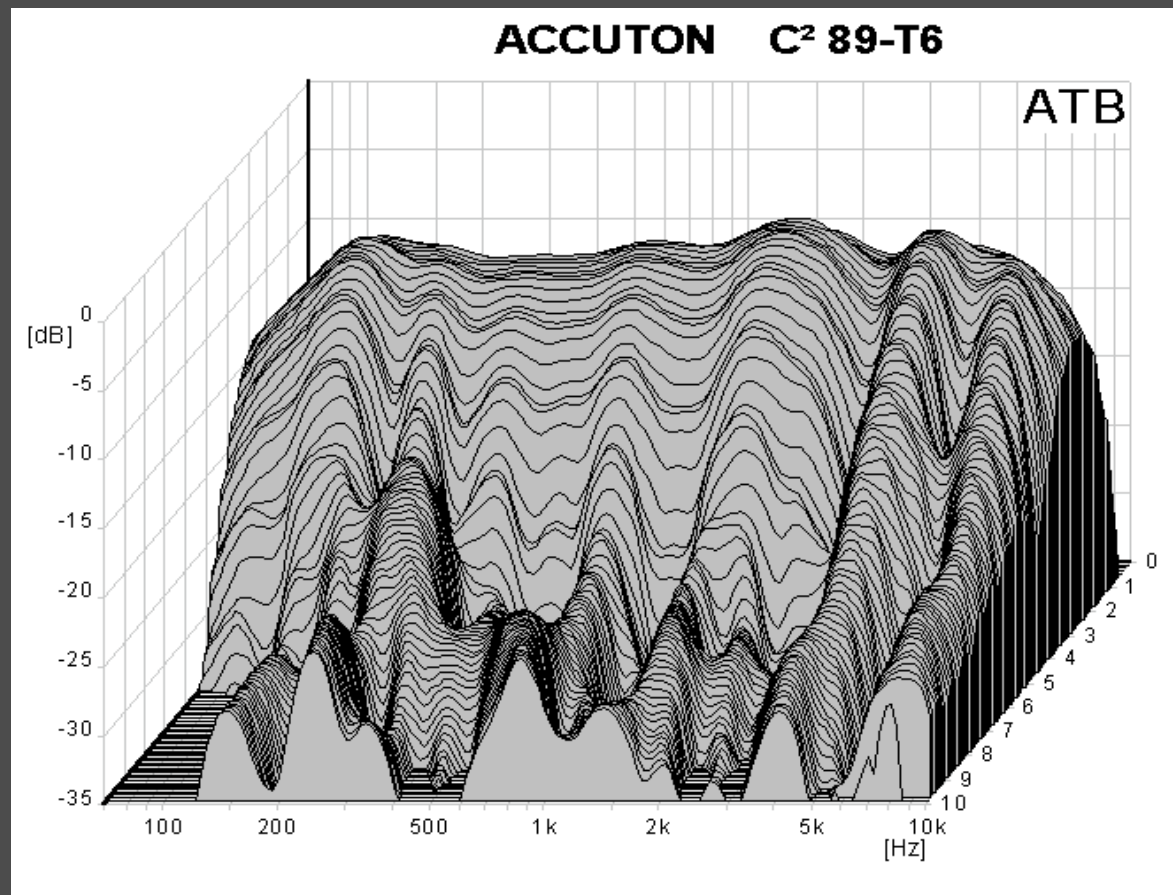


**recommended frequency range: 33 Hz - 4 kHz**

**recommended enclosure: 3.5 - 7 l vented or closed box**

Thiele/Small Parameters:			
sensitivity	E	89.2	dB
DC-resistance	R	5.9	Ohm
resonance frequency	fres	33.6	Hz
equivalent vol. of air	Vas	23.5	l
mechanical Q	Qms	3.29	
electrical Q	Qes	0.23	
total Q	Qts	0.215	
effective piston area	S	83.3	cm <sup>2</sup>
moving mass	Mms	9.3	g
suspension compl.	Cms	2.42	mm/N
mechanical resistance	Rms	0.59	kg/s <sup>-1</sup>

Voice coil / Magnet Data:			
power handling	P	100	Watt
voice coil diameter	D	37.7	mm
voice coil former		Ti	
voice coil height	h	10.2	mm
number of layers		2	
voice coil inductance	Lbm	0.85	mH
pole plate thickness		4.0	mm
linear excursion	Xmax	±3.1	mm
flux density	B	1.3	T
force factor	BL	7.1	NA <sup>-1</sup>
ferrofluid filling		no	



Mechanical Dimensions:		
Outer Dimensions	130 x 130	mm
Cutout Dimensions	116 x 116	mm
Frontplate Thickness	6,5	mm
Overall Depth	75	mm
Mounting hole diameter	5.0	mm
Mounting hole distance	116 x 116	mm
Frontplate corner radius	7.0	mm
Cutout hole corner radius	33	mm

Shipping information:		
net weight / piece	1800	g
gross weight / pair	3800	g
box size / pair	29 x 9.5 x 14	cm
quantity shipping unit	18	pcs
weight shipping unit	35.5	kg
size shipping unit	45 x 30 x 31	cm
shipping box	carton	

### Click below for more technical information:

#### » [C<sup>2</sup>89-T6 ATB measurements](#) - PDF-17 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 4.0 to view this file.

#### » [C<sup>2</sup>89-T6 MLSSA measurements](#) - 24 KByte

opens new page with MLSSA measurements made 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).

#### » [C<sup>2</sup>89-T6 - 6 l vented box simulation](#) - PDF-39 KByte

opens a PDF file with an enclosure simulation made with BassBoxPro. You will need Adobe Acrobat Reader 4.0 to view this file.

#### » [C<sup>2</sup>89-T6 technical drawing](#) - PDF-42 KByte

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[BACK](#)

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