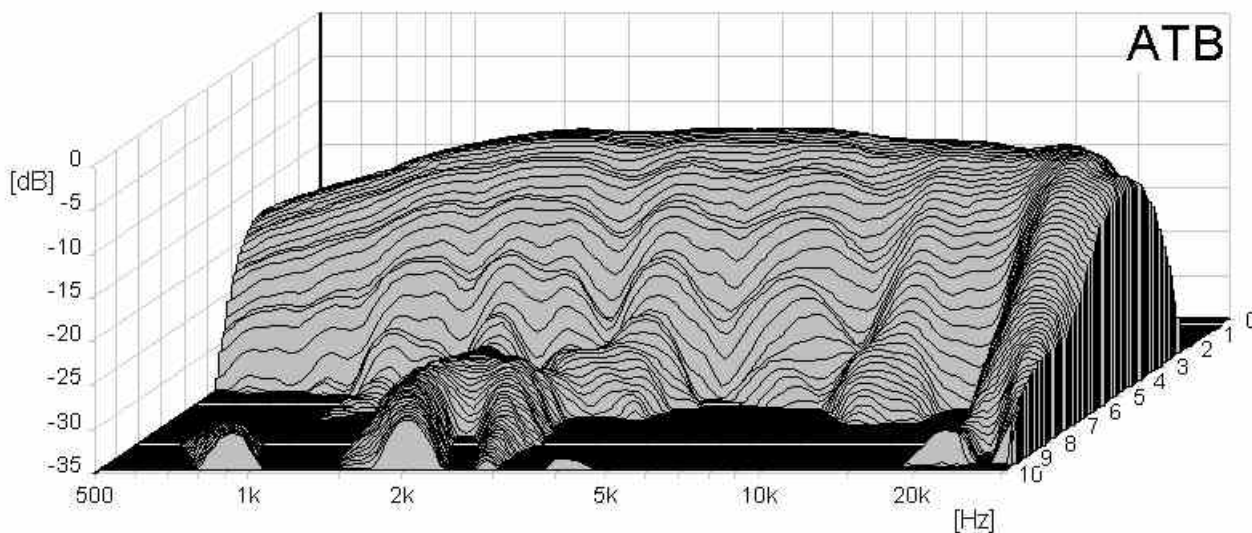


THIEL C² 23/8

High efficiency, ferrofluid filled tweeter with 1-3/16 inch 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 23 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 - 23 kHz



Spectral decay plot with z-axis in periods. Signal is a 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
Mount. hole diam.lower	5,0	mm
Mount. hole diam.upper	8,0	mm
Mounting hole distance	92 x 92	mm
Frontplate corner radius	7,0	mm
Cutout hole corner radius	24,5	mm

Thiele / Small Parameters:

Power handling, filtered	P	120	W
Sensitivity	E	89,5	dB
DC resistance	R	6,1	Ohm
mechanical Q	Qm		
electrical Q	Qes		
Q total	Qts		
resonance frequency	fres	350	Hz
Equivalent volume of air	Vas		L
Effective piston area	S	8,5	cm ²
Moving mass	Mms	0,4	g
Suspension Compliance	Cms		mm/N
Mechanical resistance	Rms		kg/s ⁻¹
Force factor	BL		NA ⁻¹
Flux density	B	1,72	T
Voice coil diameter		19,4	mm
Voice coil height	h	5,4	mm
Voice coil inductance	Lbm	0,04	mH
Weight of driver	M	1100	g

