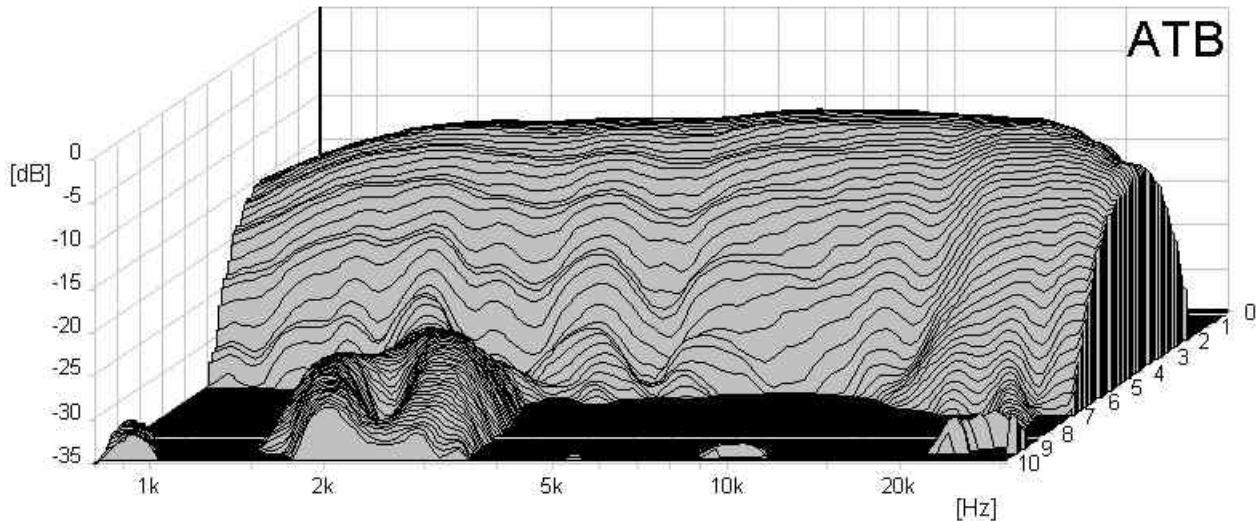


THIEL C² 12/8

High efficiency, ferrofluid filled tweeter with 1 inch light weight concave ceramic dome. Perfect choice for 3-way systems or small low-output 2-way designs. Very high resolution and very good dispersion up to 30 kHz. Low resonance frequency allows first or second order filtering and a crossover frequency as low as 2 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: 2.2 kHz - 30 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	82 x 82	mm
Cutout dimensions	64 x 64	mm
Frontplate thickness	6,0	mm
Overall depth	56	mm
Mount. hole diam.lower	4,0	mm
Mount. hole diam.upper	7,0	mm
Mounting hole distance	72 x 72	mm
Frontplate corner radius	5,0	mm
Cutout hole corner radius	15,5	mm

Thiele / Small Parameters:

Power handling, filtered	P	100	W
Sensitivity	E	89,5	dB
DC resistance	R	6,0	Ohm
mechanical Q	Qm		
electrical Q	Qes		
Q total	Qts		
resonance frequency	fres	700	Hz
Equivalent volume of air	Vas		L
Effective piston area	S	6,1	cm ²
Moving mass	Mms	0,2	g
Suspension Compliance	Cms		mm/N
Mechanical resistance	Rms		kg/s ⁻¹
Force factor	BL		NA ⁻¹
Flux density	B	1,65	T
Voice coil diameter		16,4	mm
Voice coil height	h	3,0	mm
Voice coil inductance	Lbm	0,04	mH
Weight of driver	M	550	g

