

GENERAL CHARACTERISTICS

Nominal Overall Diameter	102	mm
Nominal Voice Coil Diameter	25	mm
Magnet Weight	160	g
Flux Density.....	1.00	T
Weight.....	0.48	Kg

THIELE-SMALL PARAMETERS

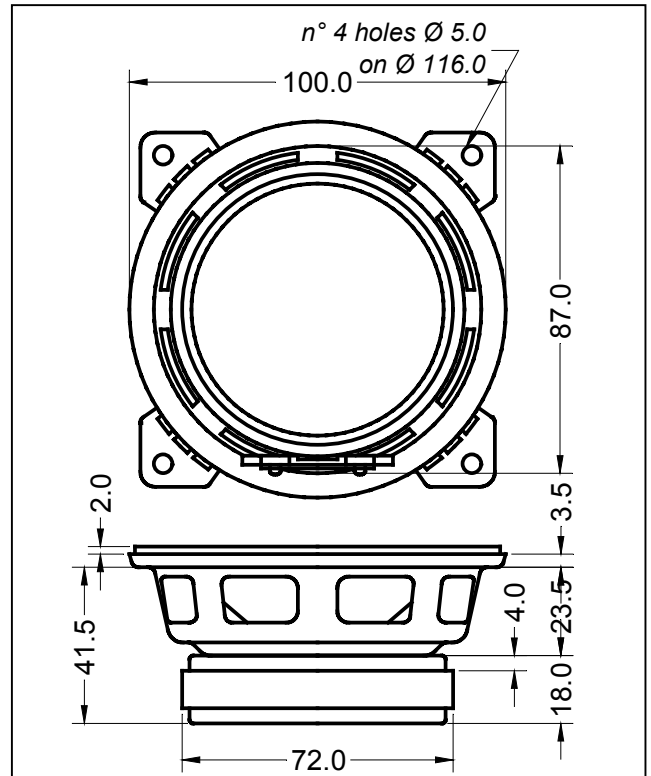
Voice Coil DC Resistance	R_E	3.30	Ω
Resonance Frequency	f_s	98.0	Hz
Mechanical Q Factor.....	Q_{MS}	3.46	
Electrical Q Factor.....	Q_{ES}	0.84	
Total Q Factor	Q_{TS}	0.68	
Mechanical Moving Mass	M_{MS}	4.0	g
Mechanical Compliance	C_{MS}	666	μm/N
Force Factor	$B \times l$	3.04	Wb/m
Equivalent Acoustic Volume.....	V_{AS}	1.8	lt.
Maximum Linear Displacement	X_{MAX}	+/-1.5	mm
Reference Efficiency	η_0	0.20	%
Diaphragm Area	S_D	44.2	cm ²
Losses Electrical Resistance.....	R_{ES}	13.0	Ω
Voice Coil Inductance @ 1kHz	L_E	0.21	mH

CONSTRUCTIVE CHARACTERISTICS

Magnet.....	Ferrite
Voice Coil Winding.....	Copper
Voice Coil Former.....	Epotex
Cone	Paper
Surround.....	Rubber
Dust Dome	PolyPropylene
Basket	Pressed Sheet Steel

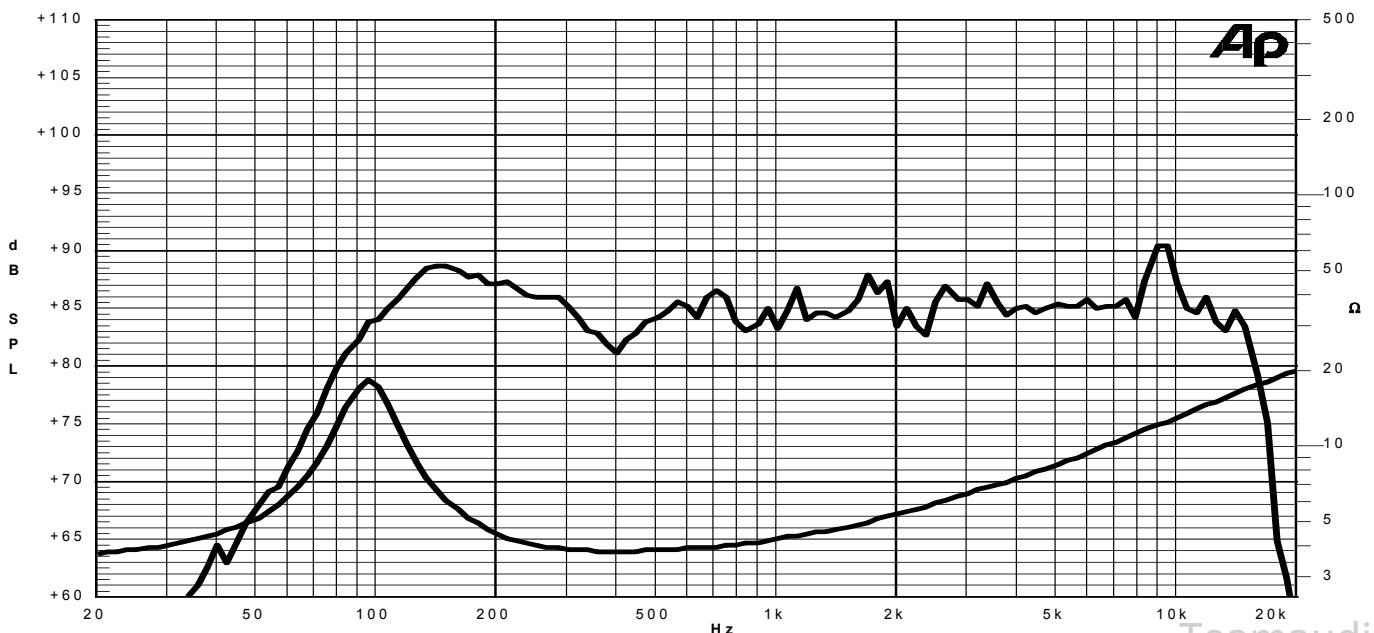
ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	4	Ω
Musical Power	80	W
Rated Power*	40	W
Sensitivity @ 1 W, 1 m	85.9	dB



*rated power measured with 2 hours test with pink noise signal, 6 dB crest factor, loudspeaker mounted on enclosure

Frequency Response on IEC Baffle (DIN 45575) @ 1 W, 1 m - Impedance



Due to continuing product improvement, the features and the design are subject to change without notice.

11/03/05