

GENERAL CHARACTERISTICS

Nominal Overall Diameter	164	mm
Nominal Voice Coil Diameter	38	mm
Magnet Weight	515	g
Flux Density.....	0.71	T
Weight	1.70	Kg

THIELE-SMALL PARAMETERS

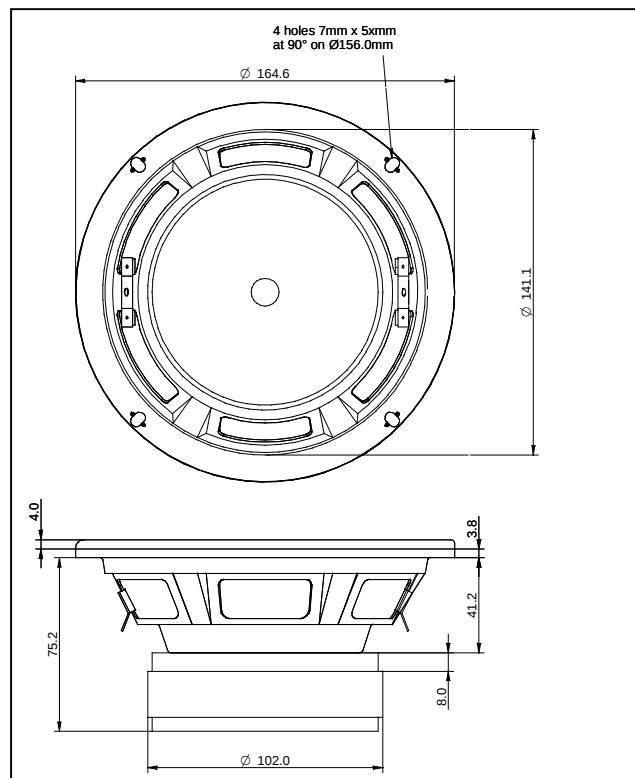
Voice Coil DC Resistance	R_E	2x3.00	Ω
Resonance Frequency	f_s	36.9	Hz
Mechanical Q Factor.....	Q_{MS}	4.28	
Electrical Q Factor.....	Q_{ES}	0.32	
Total Q Factor	Q_{TS}	0.30	
Mechanical Moving Mass	M_{MS}	25.3	g
Mechanical Compliance	C_{MS}	735	$\mu\text{m/N}$
Force Factor	$B \times l$	5.38	Wb/m
Equivalent Acoustic Volume.....	V_{AS}	15.7	lt.
Maximum Linear Displacement ...	X_{MAX}	+/-3.0	mm
Reference Efficiency	η_0	0.24	%
Diaphragm Area	S_D	122.7	cm^2
Losses Electrical Resistance.....	R_{ES}	21.1	Ω
Voice Coil Inductance @ 1kHz	L_E	0.58	mH

CONSTRUCTIVE CHARACTERISTICS

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

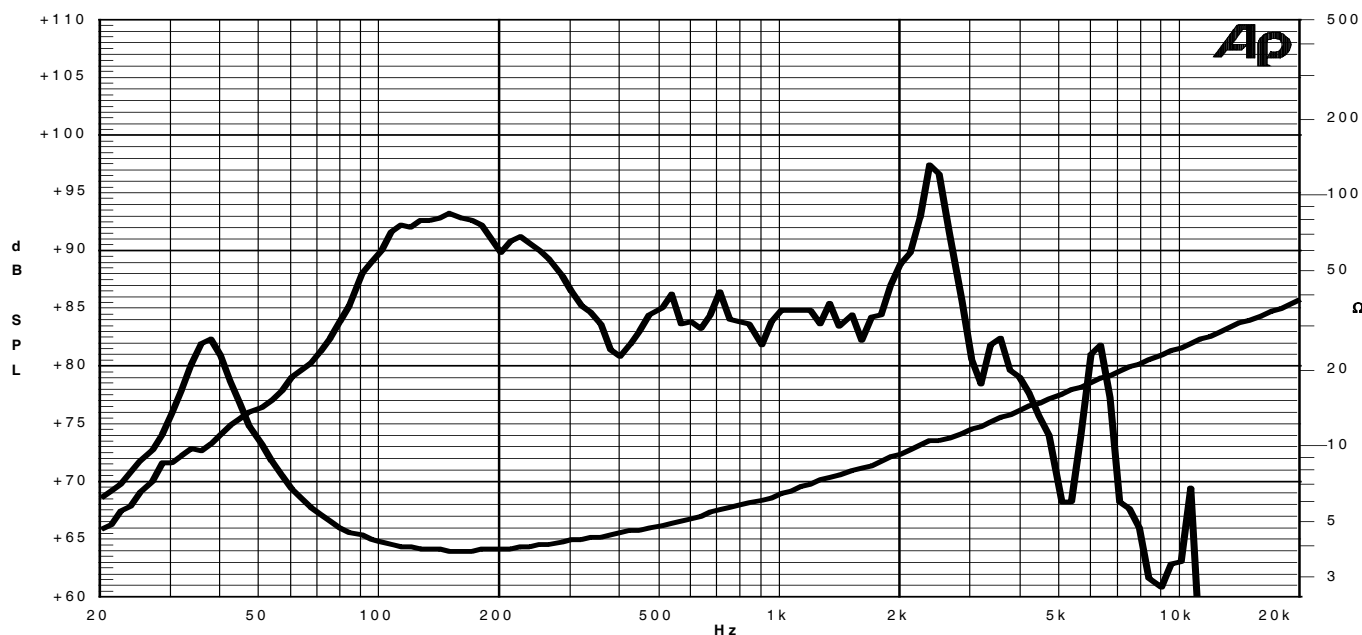
ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	4 + 4	Ω
Musical Power	160	W
Rated Power*	80	W
Sensitivity @ 1 W, 1 m	87.0	dB



*rated power measured with 2 hours test with pink noise signal, 6 dB crest factor, loudspeaker mounted on enclosure
Thiele-Small parameters measured with LASER system

Frequency Response on IEC Baffle (DIN 45575) @ 1 W, 1 m (Voice coils connected in parallel) - Free Air Impedance



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

11/04/14