SICA
LOUDSPEAKERS

6"- 120W Professional Woofer

6 E1 1,25 CS - 4 Ω

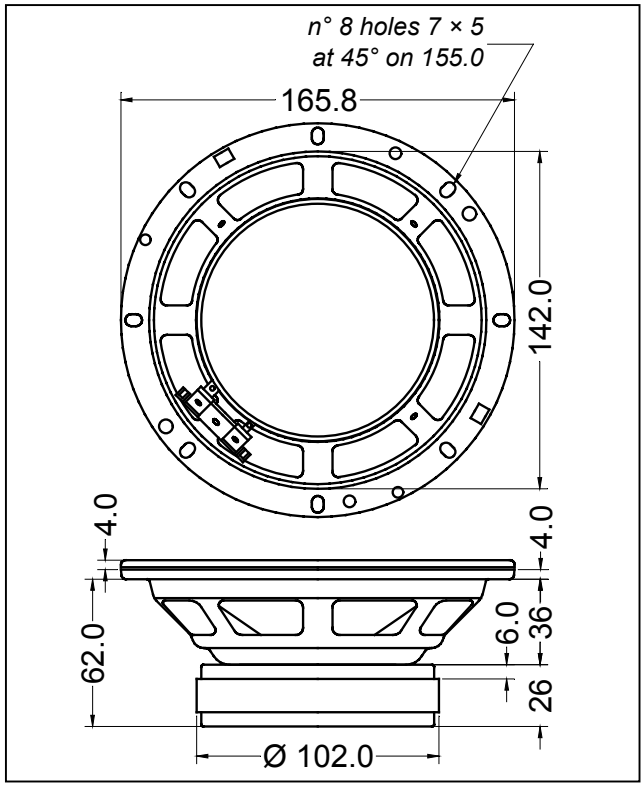
Code Z003960

GENERAL CHARACTERISTICS		
Nominal Overall Diameter	165	mm
Nominal Voice Coil Diameter	32	mm
Magnet Weight	426	g
Flux Density	1.10	T
Weight	1.35	Kg

ELECTRICAL CHARACTERISTICS		
Nominal Impedance	4	Ω
Musical Power	120	W
Rated Power*	60	W
Sensitivity @ 1 W, 1 m	91.4	dB

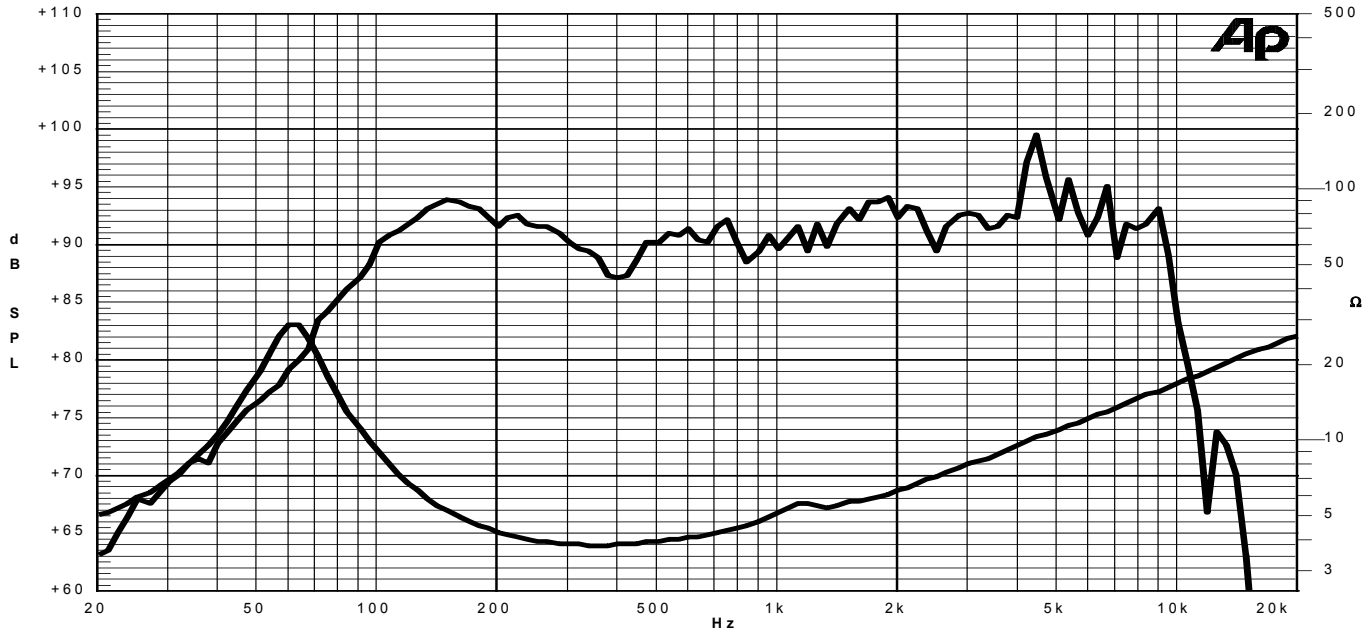
THIELE-SMALL PARAMETERS			
Voice Coil DC Resistance	R_E	3.00	Ω
Resonance Frequency	f_s	66.0	Hz
Mechanical Q Factor	Q_{MS}	3.60	
Electrical Q Factor	Q_{ES}	0.45	
Total Q Factor	Q_{TS}	0.40	
Mechanical Moving Mass	M_{MS}	10.5	g
Mechanical Compliance	C_{MS}	561	μm/N
Force Factor	$B \times l$	5.65	Wb/m
Equivalent Acoustic Volume	V_{AS}	11.9	lt.
Maximum Linear Displacement	X_{MAX}	+/-2.0	mm
Reference Efficiency	η_0	0.72	%
Diaphragm Area	S_D	122.7	cm^2
Losses Electrical Resistance	R_{ES}	27.0	Ω
Voice Coil Inductance @ 1kHz	L_E	0.46	mH

CONSTRUCTIVE CHARACTERISTICS	
Magnet	Ferrite
Voice Coil Winding	Copper
Voice Coil Former	Epotex
Cone	Paper
Surround	Rubber
Dust Dome	Solid Paper
Basket	Pressed Sheet Steel



**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. 15/03/05

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