SICA
LOUDSPEAKERS

4"- 80W Extended Range

LP 102.25/ 160 WG 8 Ω

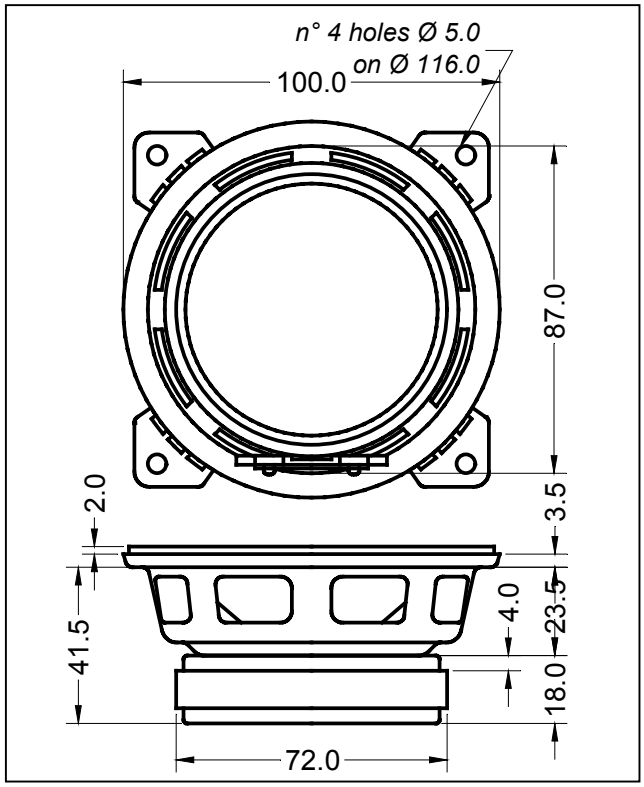
Code Z001670

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

ELECTRICAL CHARACTERISTICS		
Nominal Impedance.....	8	Ω
Musical Power	80	W
Rated Power*	40	W
Sensitivity @ 1 W, 1 m	86.6	dB

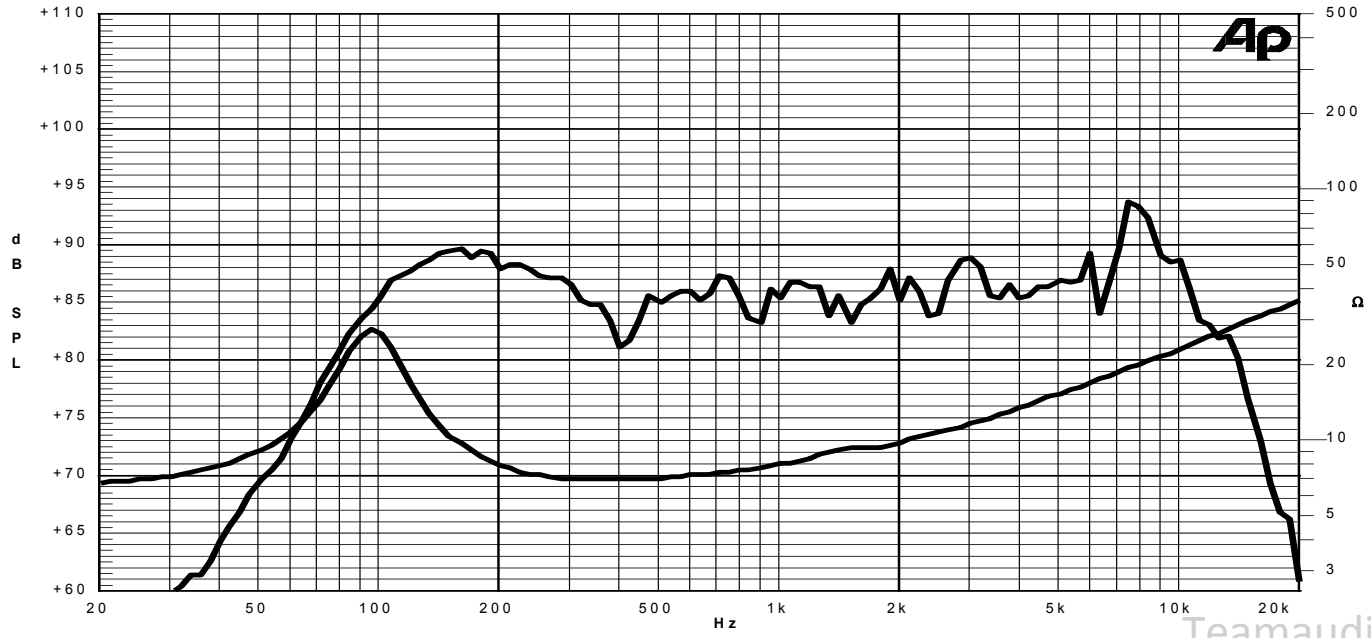
THIELE-SMALL PARAMETERS			
Voice Coil DC Resistance	R_E	6.00	Ω
Resonance Frequency	f_s	98.0	Hz
Mechanical Q Factor.....	Q_{MS}	3.23	
Electrical Q Factor.....	Q_{ES}	0.89	
Total Q Factor.....	Q_{TS}	0.70	
Mechanical Moving Mass	M_{MS}	3.4	g
Mechanical Compliance.....	C_{MS}	774	μm/N
Force Factor	$B \times l$	3.76	Wb/m
Equivalent Acoustic Volume.....	V_{AS}	2.1	lt.
Maximum Linear Displacement	X_{MAX}	+/-1.5	mm
Reference Efficiency	η_0	0.21	%
Diaphragm Area	S_D	44.2	cm^2
Losses Electrical Resistance.....	R_{ES}	21.7	Ω
Voice Coil Inductance @ 1kHz	L_E	0.43	mH

CONSTRUCTIVE CHARACTERISTICS	
Magnet.....	Ferrite
Voice Coil Winding.....	Copper
Voice Coil Former.....	Epotex
Cone	Paper
Surround.....	Rubber
Dust Dome	Treated Cloth
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