SICA
LOUDSPEAKERS

5"- 80W Extended Range

LP 129.20/ 160 INT 4 Ω

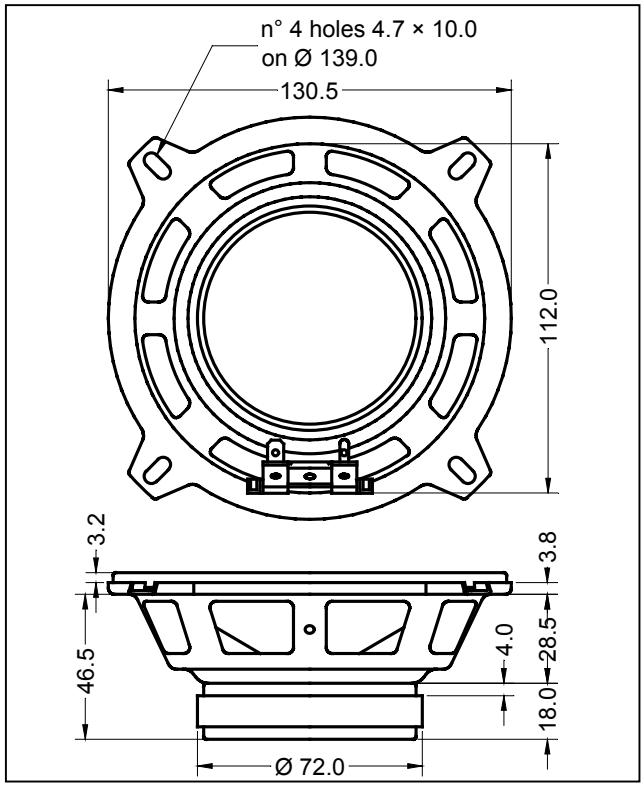
Code Z002240

GENERAL CHARACTERISTICS		
Nominal Overall Diameter	129	mm
Nominal Voice Coil Diameter	20	mm
Magnet Weight	160	g
Flux Density	1.10	T
Weight	0.50	Kg

ELECTRICAL CHARACTERISTICS		
Nominal Impedance	4	Ω
Musical Power	80	W
Rated Power*	40	W
Sensitivity @ 1 W, 1 m	91.7	dB

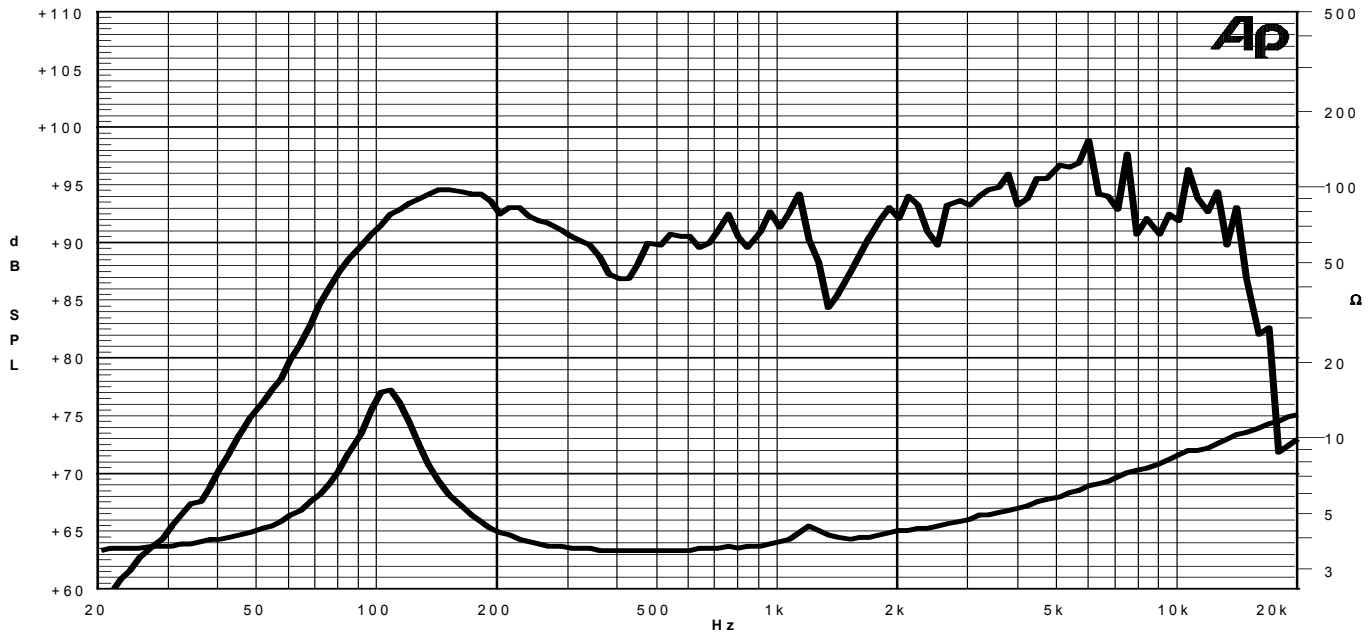
THIELE-SMALL PARAMETERS			
Voice Coil DC Resistance	R_E	3.00	Ω
Resonance Frequency	f_s	105.0	Hz
Mechanical Q Factor	Q_{MS}	12.60	
Electrical Q Factor	Q_{ES}	0.98	
Total Q Factor	Q_{TS}	0.79	
Mechanical Moving Mass	M_{MS}	3.0	g
Mechanical Compliance	C_{MS}	758	μm/N
Force Factor	$B \times l$	2.54	Wb/m
Equivalent Acoustic Volume	V_{AS}	6.6	lt.
Maximum Linear Displacement	X_{MAX}	+/-0.5	mm
Reference Efficiency	η_0	0.74	%
Diaphragm Area	S_D	78.5	cm^2
Losses Electrical Resistance	R_{ES}	12.6	Ω
Voice Coil Inductance @ 1kHz	L_E	0.20	mH

CONSTRUCTIVE CHARACTERISTICS	
Magnet	Ferrite
Voice Coil Winding	Copper
Voice Coil Former	Epotex
Cone	Paper
Surround	Treated Cloth
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. 23/03/05

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