

5"- 60W Acoustic Guitar Loudspeaker

A 5/30 - 8 Ω

Code ZJ02500

GENERAL CHARACTERISTICS

Nominal Overall Diameter	129	mm
Nominal Voice Coil Diameter	25	mm
Magnet Weight	380	g
Flux Density.....	1.10	T
Weight	1.00	Kg

THIELE-SMALL PARAMETERS

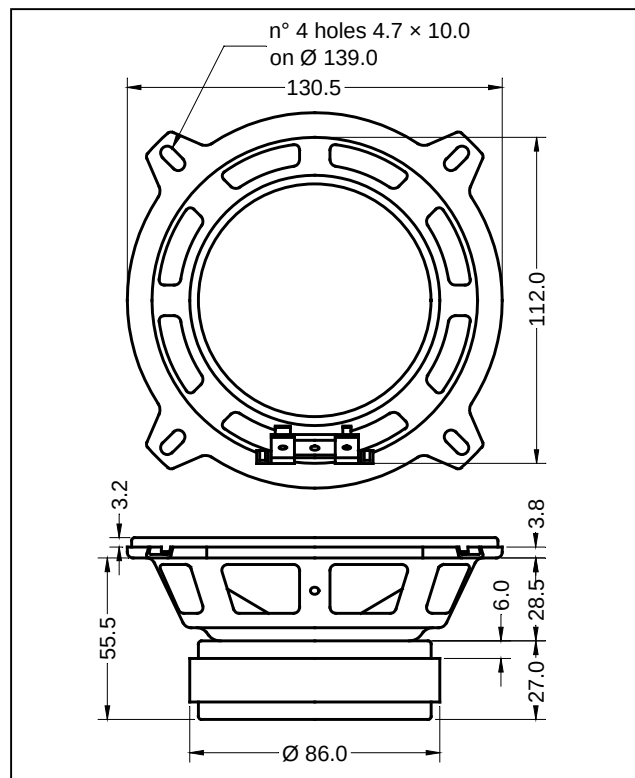
Voice Coil DC Resistance	R_E	6.00	Ω
Resonance Frequency	f_s	125.0	Hz
Mechanical Q Factor.....	Q_{MS}	7.69	
Electrical Q Factor.....	Q_{ES}	0.88	
Total Q Factor	Q_{TS}	0.79	
Mechanical Moving Mass	M_{MS}	4.6	g
Mechanical Compliance	C_{MS}	252	$\mu\text{m/N}$
Force Factor	$B \times l$	4.96	Wb/m
Equivalent Acoustic Volume.....	V_{AS}	3.1	lt.
Maximum Linear Displacement	X_{MAX}	+/-0.5	mm
Reference Efficiency	η_0	0.66	%
Diaphragm Area	S_D	78.5	cm^2
Losses Electrical Resistance.....	R_{ES}	52.4	Ω
Voice Coil Inductance @ 1kHz	L_E	0.19	mH

CONSTRUCTIVE CHARACTERISTICS

Magnet	Ferrite
Voice Coil Winding.....	Copper
Voice Coil Former.....	Epotex
Cone	Paper
Surround.....	Treated Cloth
Dust Dome	Non Treated Cloth
Basket	Pressed Sheet Steel

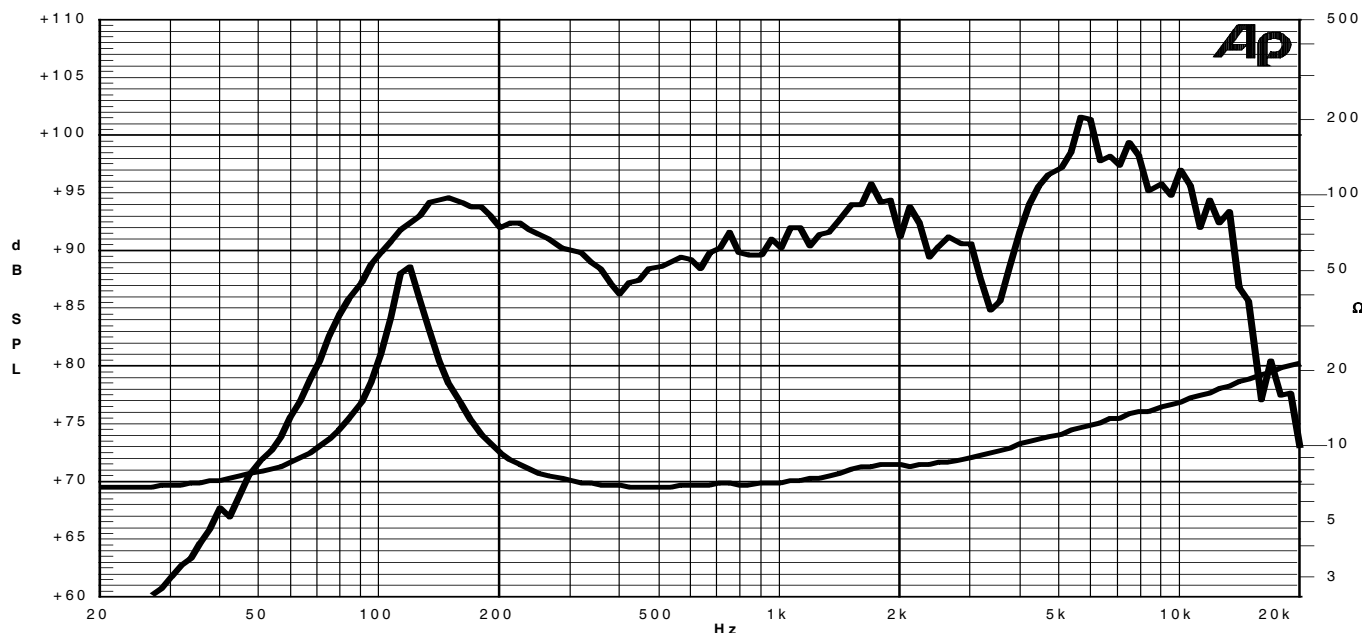
ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	8	Ω
Musical Power	60	W
Rated Power*	30	W
Sensitivity @ 1 W, 1 m	91.5	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 - Free Air Impedance



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

18/03/11