

### LP 101.25/245 WG 8 Ω Musical Instrument Loudspeaker

Ref. # Z00132

#### GENERAL CHARACTERISTICS

Nominal Overall Diameter .....	101	mm
Nominal Voice Coil Diameter .....	25	mm
Magnet Weight .....	245	g
Flux Density.....	1.05	T

#### THIELE-SMALL PARAMETERS

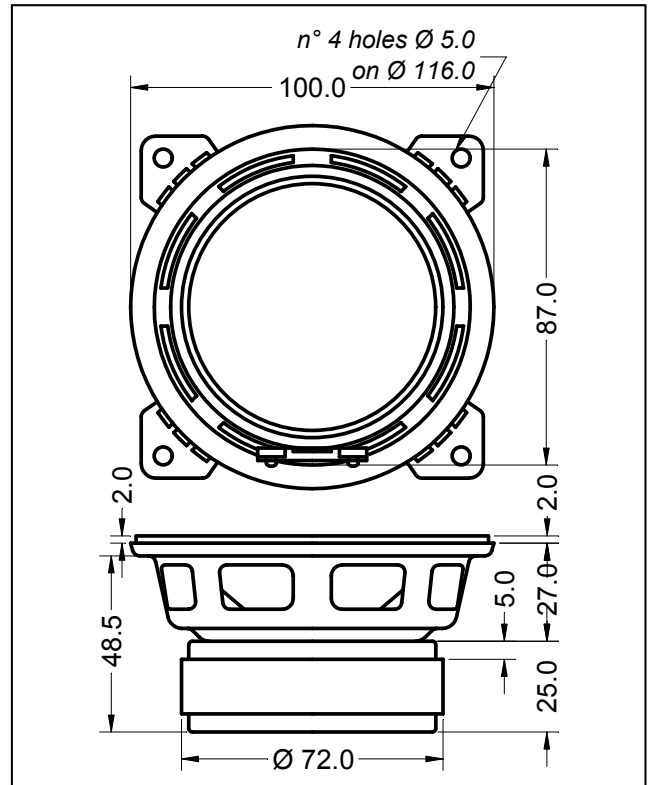
Voice Coil DC Resistance .....	$R_E$	6.00	Ω
Resonance Frequency .....	$f_s$	96.0	Hz
Mechanical Q Factor.....	$Q_{MS}$	3.91	
Electrical Q Factor.....	$Q_{ES}$	0.77	
Total Q Factor .....	$Q_{TS}$	0.65	
Mechanical Moving Mass .....	$M_{MS}$	4.4	g
Mechanical Compliance .....	$C_{MS}$	622.0	μm/N
Force Factor .....	$B \times l$	4.55	Wb/m
Equivalent Acoustic Volume.....	$V_{AS}$	1.7	lt.
Maximum Linear Displacement ....	$X_{MAX}$	2.0	mm
Reference Efficiency .....	$\eta_0$	0.19	%
Diaphragm Area .....	$S_D$	44.2	cm <sup>2</sup>
Losses Electrical Resistance.....	$R_{ES}$	30.5	Ω
Voice Coil Inductance @ 1kHz .....	$L_E$	0.44	mH

#### CONSTRUCTIVE CHARACTERISTICS

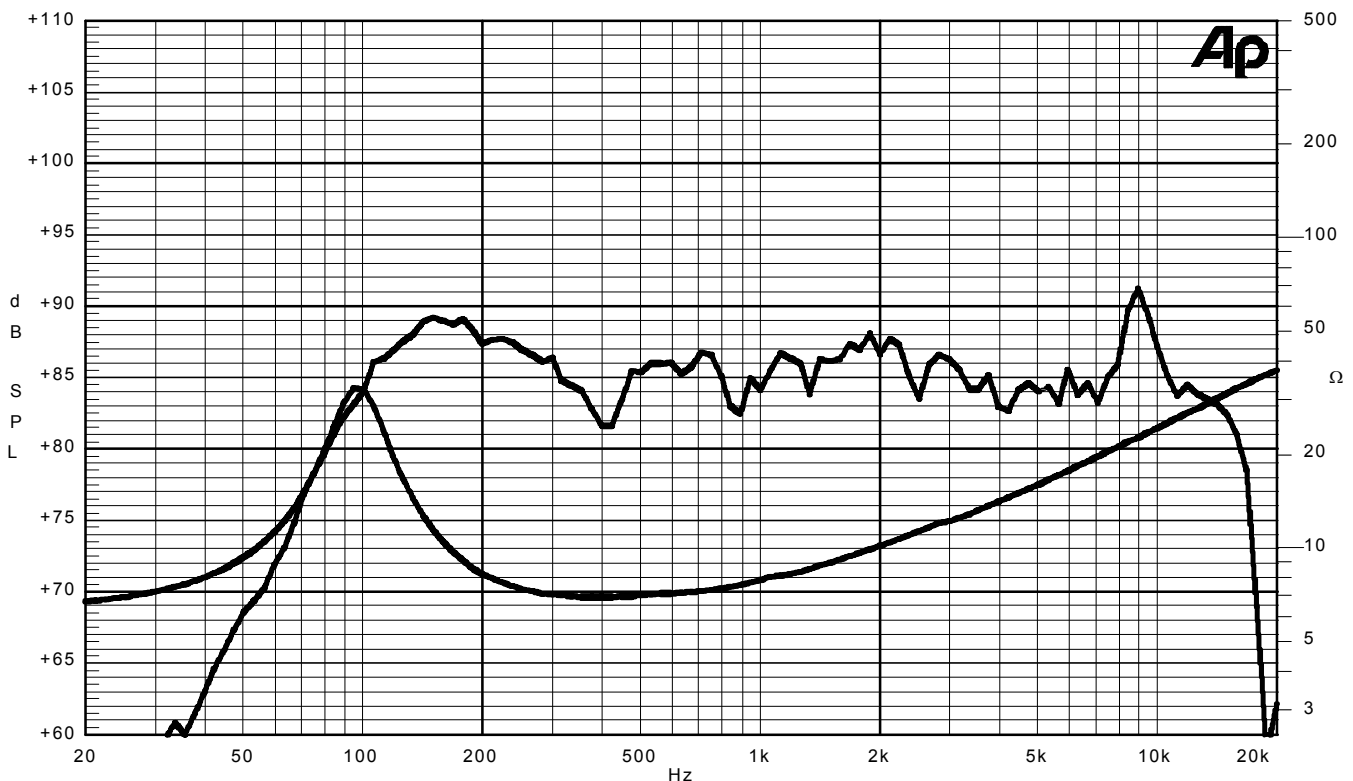
Magnet.....	Ferrite
Voice Coil Winding.....	Copper
Voice Coil Former.....	Epotex
Cone .....	Paper
Surround.....	Rubber
Dust Dome .....	Polypropylene Ogive
Basket .....	Pressed Sheet Steel

#### ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	8	Ω
Rated Power (DIN 45573 - IEC 268.5) .....	35	W
Musical Power (DIN 45500) .....	70	W
Sensitivity @ 1 W, 1 m .....	86.0	dB



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.

04/03/2003