

## 12" - 50W Vintage Ceramic Loudspeaker

C 12 R - 16 Ω

Code ZJ06100

### GENERAL CHARACTERISTICS

Nominal Overall Diameter .....	306	mm
Nominal Voice Coil Diameter .....	25	mm
Magnet Weight .....	270	g
Flux Density.....	1.00	T
Weight.....	1.38	Kg

### THIELE-SMALL PARAMETERS

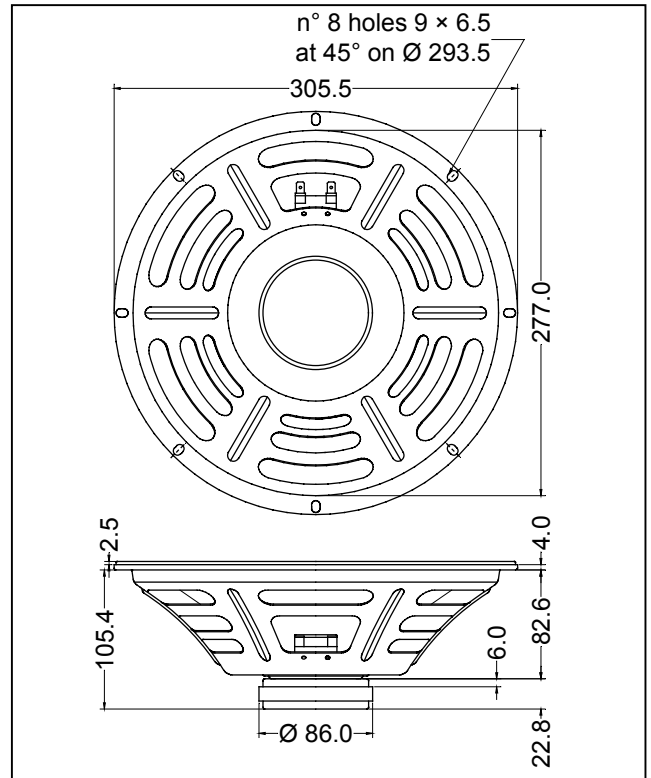
Voice Coil DC Resistance .....	$R_E$	11.78	Ω
Resonance Frequency .....	$f_s$	89.4	Hz
Mechanical Q Factor.....	$Q_{MS}$	21.27	
Electrical Q Factor.....	$Q_{ES}$	3.03	
Total Q Factor .....	$Q_{TS}$	2.65	
Mechanical Moving Mass .....	$M_{MS}$	27.2	g
Mechanical Compliance .....	$C_{MS}$	116	μm/N
Force Factor .....	$B \times l$	7.72	Wb/m
Equivalent Acoustic Volume.....	$V_{AS}$	39.4	lt.
Maximum Linear Displacement ....	$X_{MAX}$	+/-1.0	mm
Reference Efficiency .....	$\eta_0$	0.89	%
Diaphragm Area .....	$S_D$	490.9	cm <sup>2</sup>
Losses Electrical Resistance.....	$R_{ES}$	82.7	Ω
Voice Coil Inductance @ 1kHz .....	$L_E$	0.80	mH

### CONSTRUCTIVE CHARACTERISTICS

Magnet.....	Ferrite
Voice Coil Winding.....	Copper
Voice Coil Former.....	Kapton
Cone .....	Paper
Surround.....	Paper - Integrated
Dust Dome .....	Felt
Basket .....	Pressed Sheet Steel

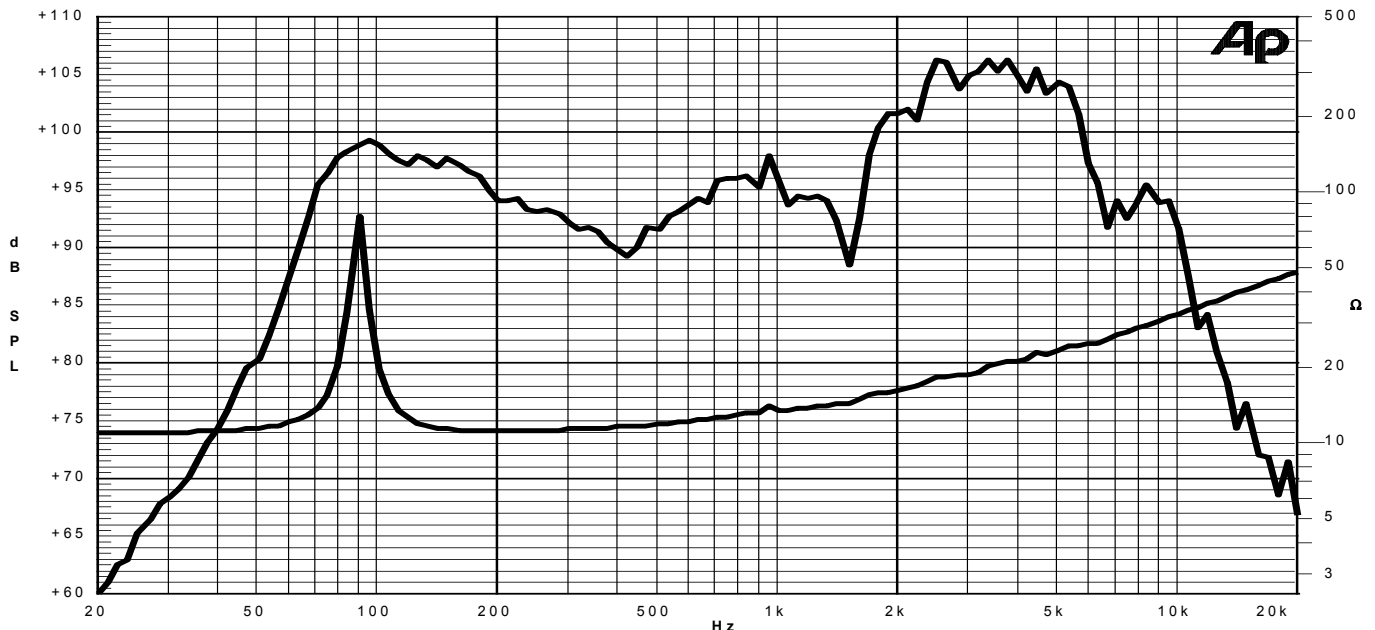
### ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	16	Ω
Musical Power .....	50	W
Rated Power* .....	25	W
Sensitivity @ 1 W, 1 m .....	92.8	dB



\*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.

13/12/06