

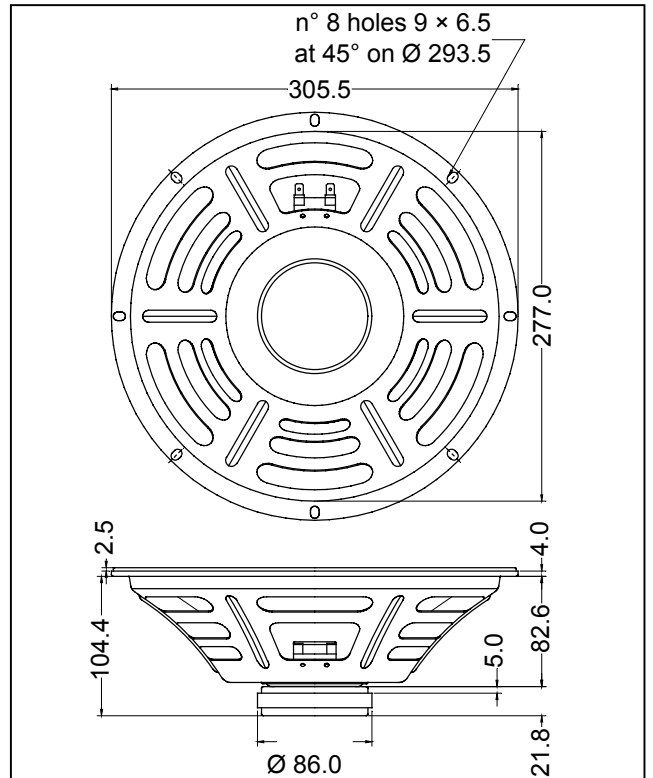
## 12" - 50W Vintage Ceramic Loudspeaker C 12 R - 16 Ω

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 .....	$R_E$	6.50 Ω
Resonance Frequency .....	$f_s$	74.0 Hz
Mechanical Q Factor.....	$Q_{MS}$	21.48
Electrical Q Factor.....	$Q_{ES}$	2.06
Total Q Factor .....	$Q_{TS}$	1.88
Mechanical Moving Mass .....	$M_{MS}$	24.6 g
Mechanical Compliance .....	$C_{MS}$	187 μm/N
Force Factor .....	$B \times l$	5.98 Wb/m
Equivalent Acoustic Volume.....	$V_{AS}$	63.2 lt.
Maximum Linear Displacement ....	$X_{MAX}$	+/-0.8 mm
Reference Efficiency .....	$\eta_0$	1.20 %
Diaphragm Area .....	$S_D$	490.8 cm <sup>2</sup>
Losses Electrical Resistance.....	$R_{ES}$	67.0 Ω
Voice Coil Inductance @ 1kHz .....	$L_E$	0.49 mH

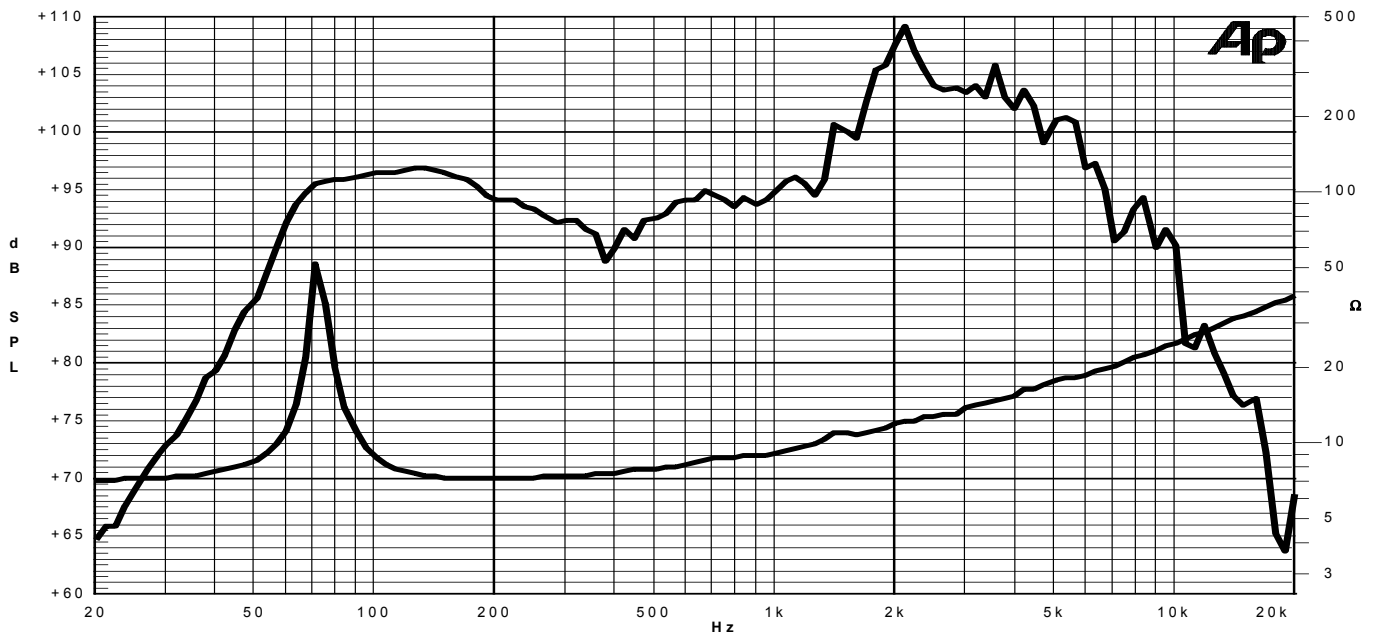
CONSTRUCTIVE CHARACTERISTICS	
Magnet.....	Ferrite
Voice Coil Winding.....	Copper
Voice Coil Former.....	Kapton
Cone .....	Paper
Surround.....	Paper - Integrated
Dust Dome .....	Felt
Basket .....	Pressed Sheet Steel

ELECTRICAL CHARACTERISTICS	
Nominal Impedance.....	16 Ω
Musical Power .....	50 W
Rated Power* .....	25 W
Sensitivity @ 1 W, 1 m .....	93.8 dB



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.