

## 10" - 50W Vintage Ceramic Loudspeaker

C 10 R - 4 Ω

Code ZJ05072

### GENERAL CHARACTERISTICS

Nominal Overall Diameter .....	259	mm
Nominal Voice Coil Diameter .....	25	mm
Magnet Weight .....	270	g
Flux Density.....	1.00	T
Weight .....	1.20	Kg

### THIELE-SMALL PARAMETERS

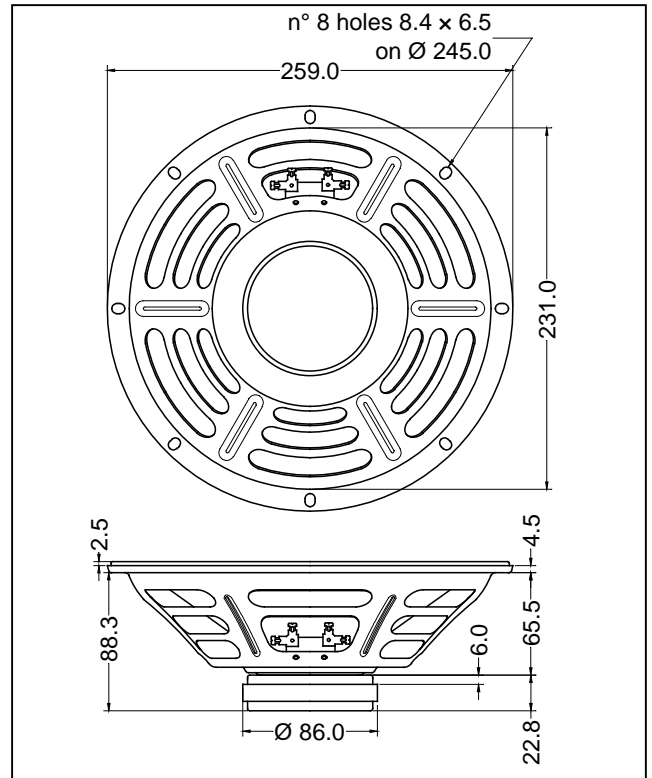
Voice Coil DC Resistance .....	$R_E$	3.42	Ω
Resonance Frequency .....	$f_s$	105.0	Hz
Mechanical Q Factor.....	$Q_{MS}$	10.64	
Electrical Q Factor.....	$Q_{ES}$	1.65	
Total Q Factor .....	$Q_{TS}$	1.43	
Mechanical Moving Mass .....	$M_{MS}$	17.7	g
Mechanical Compliance .....	$C_{MS}$	130	μm/N
Force Factor .....	$B \times l$	4.92	Wb/m
Equivalent Acoustic Volume.....	$V_{AS}$	29.7	lt.
Maximum Linear Displacement ....	$X_{MAX}$	+/-0.5	mm
Reference Efficiency .....	$\eta_0$	1.35	%
Diaphragm Area .....	$S_D$	330.1	cm <sup>2</sup>
Losses Electrical Resistance.....	$R_{ES}$	22.1	Ω
Voice Coil Inductance @ 1kHz .....	$L_E$	0.30	mH

### CONSTRUCTIVE CHARACTERISTICS

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

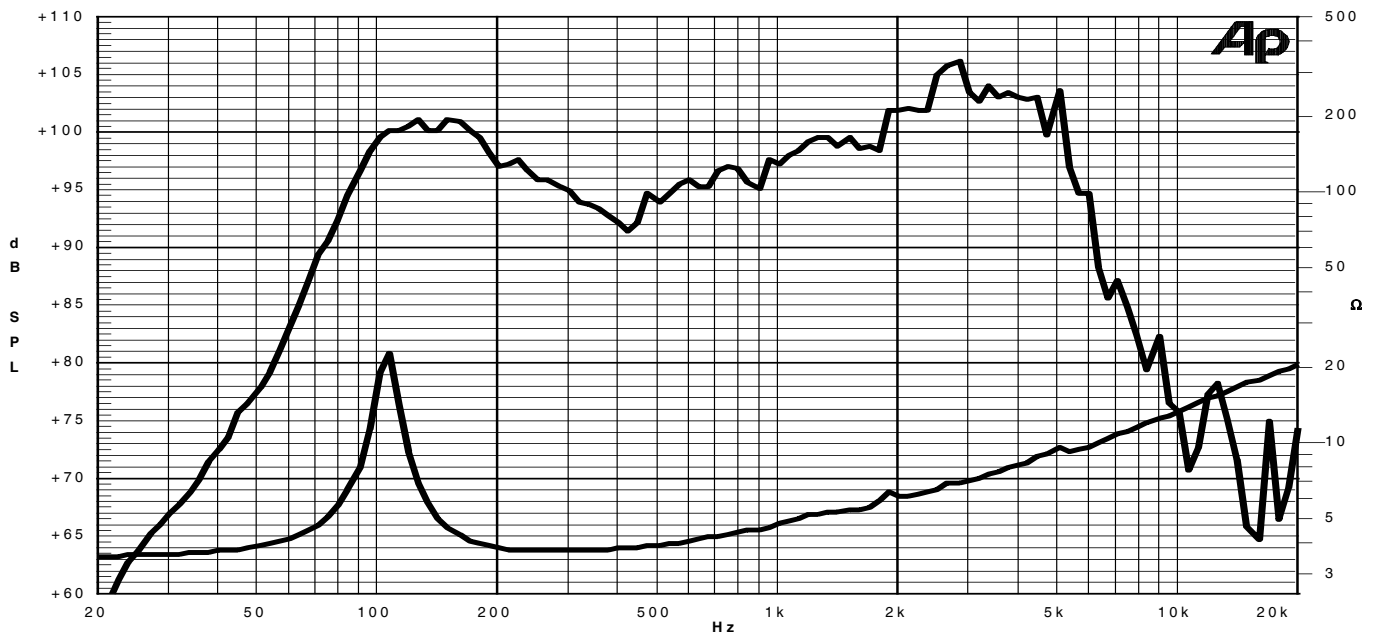
### ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	4	Ω
Musical Power .....	50	W
Rated Power* .....	25	W
Sensitivity @ 1 W, 1 m .....	94.2	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 I ASFR system

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.

10/09/09