

## 10" - 200W Neodymium Guitar Loudspeaker

N 10/100 TR - 16 Ω

Code ZJ05362

### GENERAL CHARACTERISTICS

Nominal Overall Diameter .....	259	mm
Nominal Voice Coil Diameter .....	50	mm
Magnet Weight .....	200	g
Flux Density.....	1.20	T
Weight.....	1.75	Kg

### THIELE-SMALL PARAMETERS

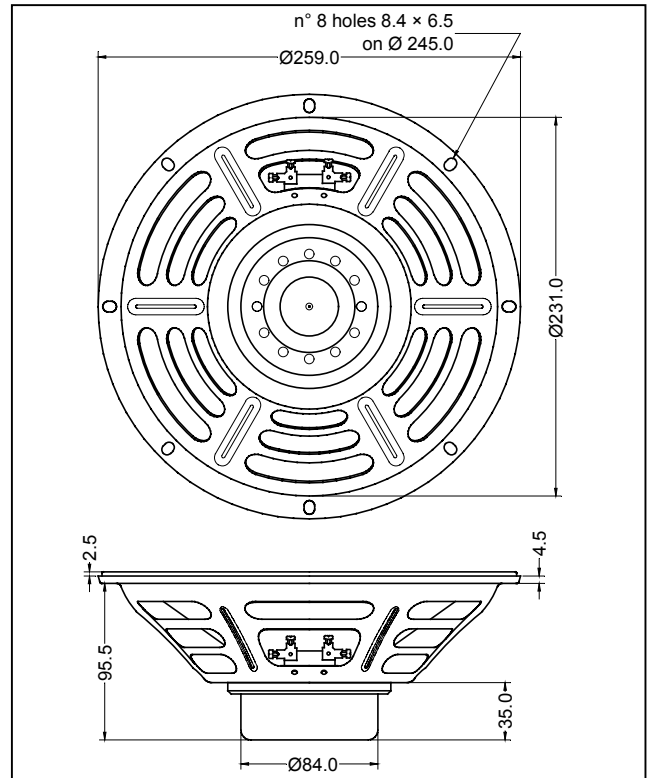
Voice Coil DC Resistance .....	$R_E$	12.24	Ω
Resonance Frequency .....	$f_s$	82.8	Hz
Mechanical Q Factor.....	$Q_{MS}$	10.64	
Electrical Q Factor.....	$Q_{ES}$	0.65	
Total Q Factor .....	$Q_{TS}$	0.62	
Mechanical Moving Mass .....	$M_{MS}$	20.7	g
Mechanical Compliance .....	$C_{MS}$	179	μm/N
Force Factor .....	$B \times l$	14.19	Wb/m
Equivalent Acoustic Volume.....	$V_{AS}$	27.5	lt.
Maximum Linear Displacement ....	$X_{MAX}$	+/-1.0	mm
Reference Efficiency .....	$\eta_0$	2.30	%
Diaphragm Area .....	$S_D$	330.1	cm <sup>2</sup>
Losses Electrical Resistance.....	$R_{ES}$	199.2	Ω
Voice Coil Inductance @ 1kHz .....	$L_E$	0.88	mH

### CONSTRUCTIVE CHARACTERISTICS

Magnet.....	Neodymium
Voice Coil Winding.....	Copper
Voice Coil Former.....	Kapton
Cone .....	Paper
Surround.....	Paper - Integrated
Dust Dome .....	Non Treated Cloth
Basket .....	Pressed Sheet Steel

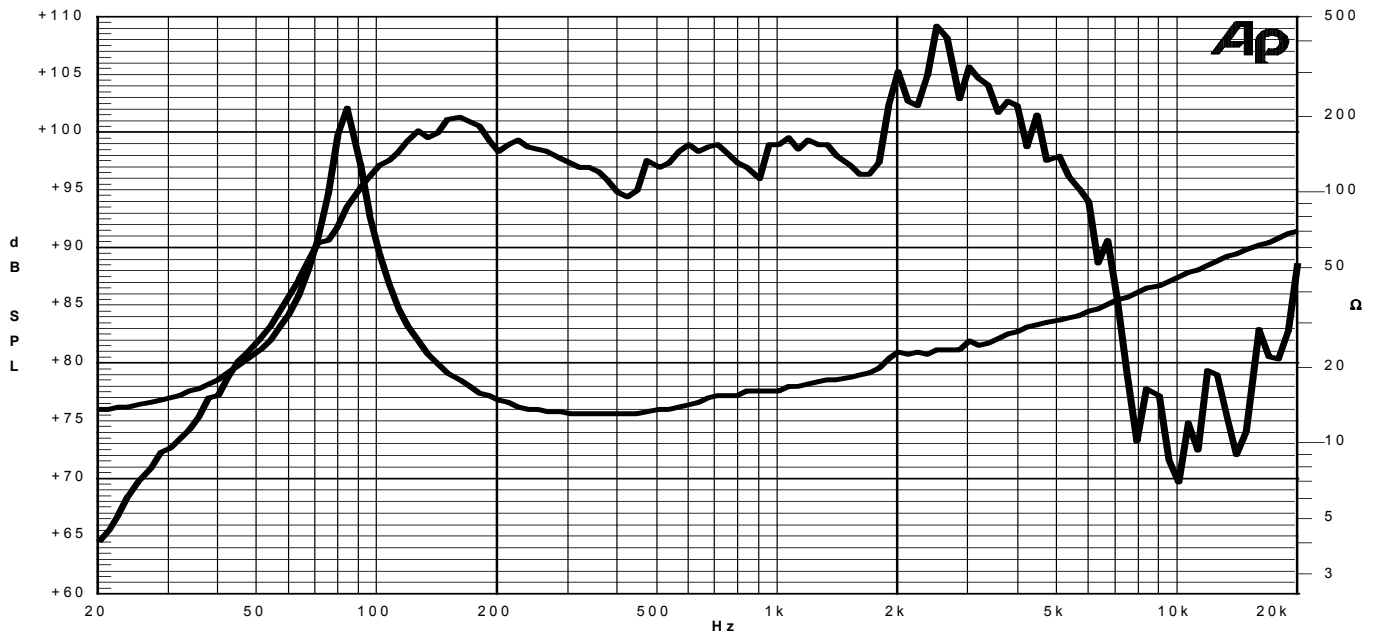
### ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	16	Ω
Musical Power .....	200	W
Rated Power* .....	100	W
Sensitivity @ 1 W, 1 m .....	97.0	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.

10/06/09