



# G1 221

## Product description

Classic guitar speaker for use in electric guitar amplifiers.

## Main features:

- aluminum die-cast frame;
- removable self-centering ferrite magnet system;
- inside-outside round copper voice coil.



## Specifications

Nominal diameter, inches (mm)	12(300)
Nominal impedance, Ohm	8/16
Rated power (AES), W *	100
Frequency range, Hz	80-5000
Sensitivity (1W / 1m), dB	100
Minimum impedance, Ohm	7,2@290Hz
Bl product, Tm	15
Voice coil inductance, mH (1kHz)	1,1
Moving Mass Mms, g	38

## Voice coil

Diameter, inches (mm)	2(51)
Winding material	copper
Former material	glass fiber
Winding depth, mm	11

## Magnetic system

Magnetic gap depth, mm	8
Flux density, T	1,0

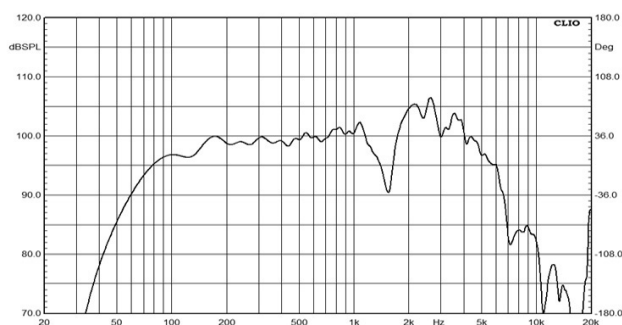
## Thiele-Small parameters \*\*

Fs, Hz	82
Vas, l	34
Qts	0,54
Qes	0,57
Qms	13,3
Re, Ohm	6,2
Sd cm <sup>2</sup>	500
Xmax, mm ***	3,5
η, %	3,2

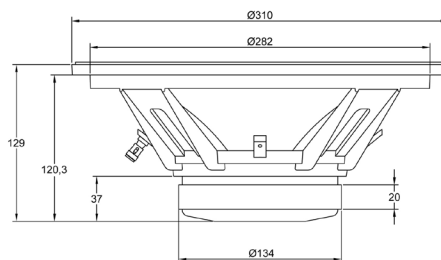
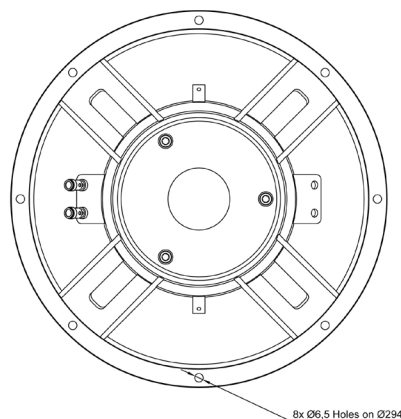
## Mounting information

Overall diameter, mm	312
Baffle cutout diameter, mm	282
Bolt hole diameter, mm	7
Bolt circle diameter, mm	294
Height, mm	130
Net weight, kg	3,6

## FREQUENCY RESPONSE



Frequency response measured in a 1200 litre sealed box @ 2.83 v - 1m, 2 π



\* Rated power is determined according to AES2 - 1984 (r 2003) standard.

\*\* TS parameters are measured after a preconditioning power test.

\*\*\* Xmax is calculated as:  $(H_{vc} - H_g) / 2 + H_g / 4$  where  $H_{vc}$  is the voice coil winding depth and  $H_g$  is the gap depth.

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