12N501

HIGH OUTPUT LOW DISTORTION MID BASS TRANSDUCER FOR LINE ARRAY MODULES AND COMPACT 2-WAY SPEAKERS

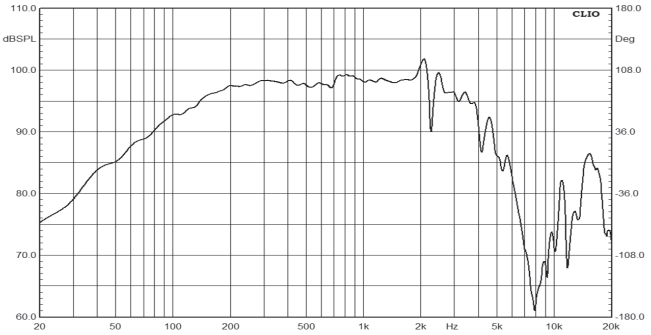
Main features:

· aluminum die-cast octagonal frame with small installation dimensions;
· removable self-centering neodymium magnet system;
· inside-outside copper clad aluminum voice coil;
· ventilated voice coil gap;
· double aluminum demodulation ring.

Main specifications:

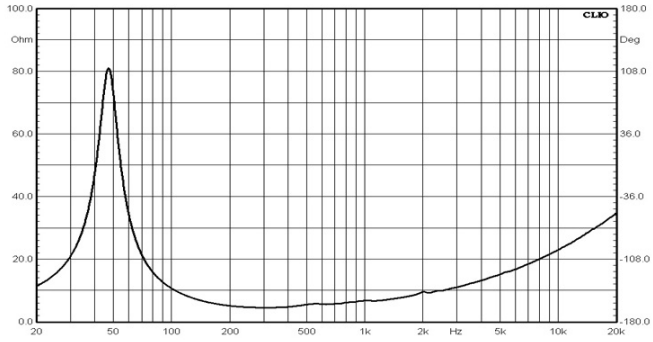
· 12" nominal diameter;
· 1000 W AES program power;
· 99 dB 1W/1m sensitivity;
· 3" CCAW voice coil;
· 4,1 kg weight.

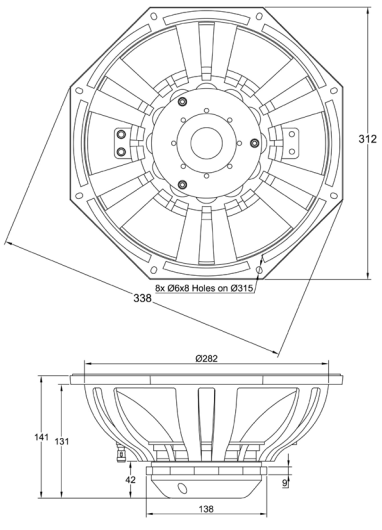
Frequency response



Frequency response measured in a 1200 litre sealed box @ 2,83 v - 1m, 2 ϖ

Free air impendance





* Rated power is determinited according to AES2 - 1984 (r2003) standard.
** TS parameters are measured after a preconditioning power test.
*** Xmax is calculated as: (Hvc - Hg) / 2 + Hg / 4 where Hvc is the voice coil winding depth and Hg is the gap depth.

Specifications

Nominal diameter, inches (mm)	12(300)
Nominal impedance, Ohm	4/8
Rated power (AES), W	500*
Frequency range, Hz	45-3500
Sensitivity (1W / 1m), dB	99
Minimum impedance, Ohm	6,6@250Hz
Bl product, Tm	19,3
Voice coil inductance, mH (1kHz)	0,49
Moving mass Mms, g	50,5

Voice coil and Magnetic system

Diameter, inches (mm)	3(76)
Winding material	CCAW
Former material	glass fiber
Winding depth, mm	19,2
Magnetic gap depth, mm	8
Flux density, T	1,44

Thiele-Small parameters**

Fs, Hz	48,5
Vas, l	84
Qts	0,22
Qes	0,23
Qms	5
Re, Ohm	5,7
Sd, cm²	527
Xmax, mm	7,6***
n, %	4

Mounting information

Overall diameter, mm	303/338
Baffle cutout diameter, mm	282
Bolt hole diameter, mm	6x8
Bolt circle diameter, mm	315
Height, mm	145
Net weight, kg	4,1

info@mag-audio.com
www.mag-audio.com
Tel./Fax: +38 044 277-47-89