



# 8N300

## MID BASS TRANSDUCER FOR COMPACT TWO-WAY AND MULTI-WAY SPEAKERS



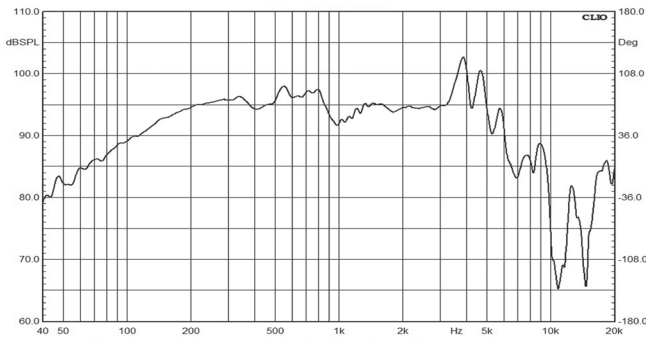
### Main specifications:

- 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.

### Main features:

- 8" nominal diameter;
- 600 W AES program power;
- 95,5 dB 1W/1m sensitivity;
- 2,5" CCAW voice coil;
- 2,3 kg weight.

Frequency response



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

Nominal diameter, inches (mm)	8(200)
Nominal impedance, Ohm	8
Rated power (AES), W	300*
Frequency range, Hz	60-4000
Sensitivity (1W / 1m), dB	95,5
Minimum impedance, Ohm	7,1@380Hz
Bl product, Tm	14,6
Voice coil inductance, mH (1kHz)	0,7
Moving mass Mms, g	23,6

Specifications

Diameter, inches (mm)	2,5(64)
Winding material	CCA W
Former material	glass fiber
Winding depth, mm	16,3
Magnetic gap depth, mm	8
Flux density, T	1,3

Voice coil and Magnetic system

Fs, Hz	59,5
Vas, l	18,5
Qts	0,23
Qes	0,24
Qms	5,9
Re, Ohm	5,7
Sd, cm <sup>2</sup>	210
Xmax, mm	6 ***
n, %	1,6

Thiele-Small parameters\*\*

Overall diameter, mm	206/255
Baffle cutout diameter, mm	184
Bolt hole diameter, mm	8x5
Bolt circle diameter, mm	207
Height, mm	108
Net weight, kg	2,3

Mounting information

\* Rated power is determined according to AES2 - 1984 (r2003) 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.