



M1051



HIGH OUTPUT LOW DISTORTION MID BASS TRANSDUCER FOR COMPACT 2-WAY SPEAKERS

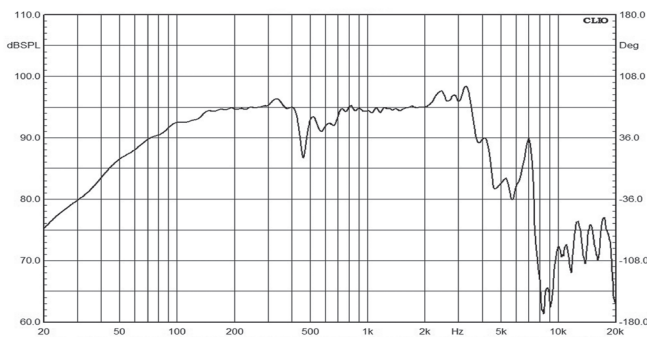
Main features:

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

Main specifications:

- 10" nominal diameter;
- 1000 W AES program power;
- 95,5 dB 1W/1m sensitivity;
- 3" CCAW voice coil;
- 4,2 kg weight.

Frequency response



Nominal diameter, inches (mm)	10(250)
Nominal impedance, Ohm	8
Rated power (AES), W	500*
Frequency range, Hz	60-3500
Sensitivity (1W / 1m), dB	95,5
Minimum impedance, Ohm	6,7@280Hz
Bl product, Tm	13,6
Voice coil inductance, mH (1kHz)	0,78
Moving mass Mms, g	37

Specifications

Diameter, inches (mm)	3(76)
Winding material	CCA W
Former material	glass fiber
Winding depth, mm	18,7
Magnetic gap depth, mm	8
Flux density, T	1,05

Voice coil and Magnetic system

Fs, Hz	41
Vas, l	69
Qts	0,29
Qes	0,3
Qms	7,7
Re, Ohm	5,8
Sd, cm²	346
Xmax, mm	7,35***
n, %	1,5

Thiele-Small parameters **

Overall diameter, mm	264/285
Baffle cutout diameter, mm	233
Bolt hole diameter, mm	6x8
Bolt circle diameter, mm	263
Height, mm	126
Net weight, kg	4,2

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.