



# M1523

## Product description

Mid bass transducer for 2-way speakers.

## Main features:

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



## Specifications

|                                  |           |
|----------------------------------|-----------|
| Nominal diameter, inches (mm)    | 15(380)   |
| Nominal impedance, Ohm           | 4/8       |
| Rated power (AES), W *           | 300       |
| Frequency range, Hz              | 40-2500   |
| Sensitivity (1W / 1m), dB        | 97        |
| Minimum impedance, Ohm           | 7,0@190Hz |
| Bl product, Tm                   | 20,4      |
| Voice coil inductance, mH (1kHz) | 1,1       |
| Moving Mass Mms, g               | 110       |

## Voice coil

|                       |             |
|-----------------------|-------------|
| Diameter, inches (mm) | 3(76)       |
| Winding material      | copper      |
| Former material       | glass fiber |
| Winding depth, mm     | 15          |

## Magnetic system

|                        |      |
|------------------------|------|
| Magnetic gap depth, mm | 9    |
| Flux density, T        | 1,13 |

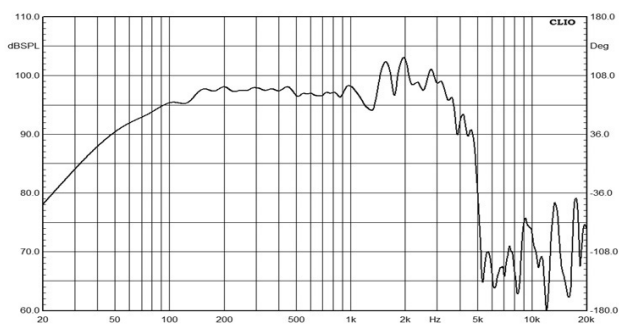
## Thiele-Small parameters \*\*

|                    |      |
|--------------------|------|
| Fs, Hz             | 38,2 |
| Vas, l             | 171  |
| Qts                | 0,4  |
| Qes                | 0,41 |
| Qms                | 11,7 |
| Re, Ohm            | 6,57 |
| Sd cm <sup>2</sup> | 880  |
| Xmax, mm ***       | 6,5  |
| η, %               | 2,2  |

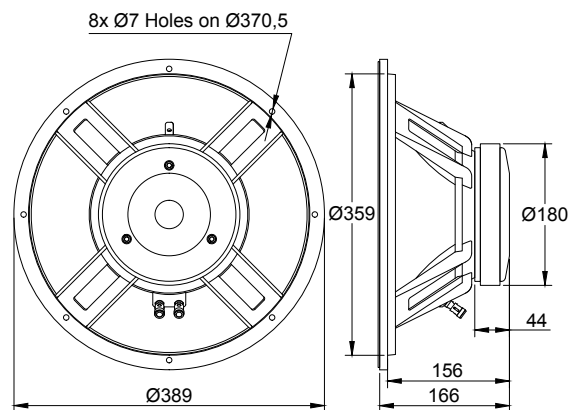
## Mounting information

|                            |       |
|----------------------------|-------|
| Overall diameter, mm       | 389   |
| Baffle cutout diameter, mm | 358   |
| Bolt hole diameter, mm     | 7     |
| Bolt circle diameter, mm   | 370,5 |
| Height, mm                 | 166   |
| Net weight, kg             | 7,3   |

## 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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