# 4" 120W

## Code Z001802

# 4 E 1 CS 4Ω

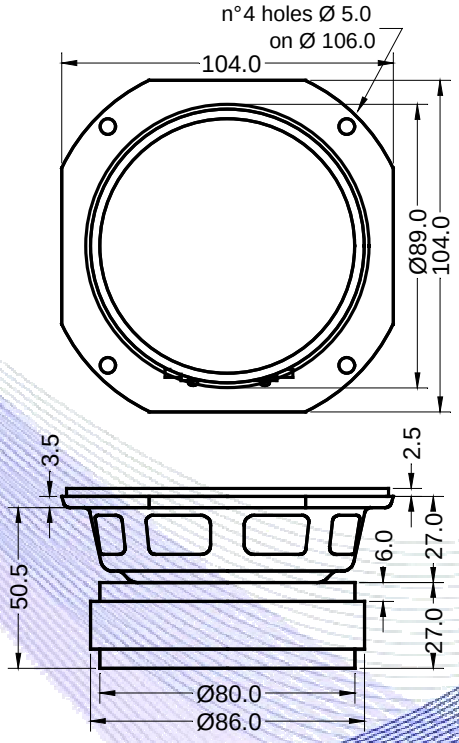
## Professional Woofer

- 1” voice coil aluminium former
- Ferrite magnet
- Cone waterproof treatment
- 88.1 dB sensitivity

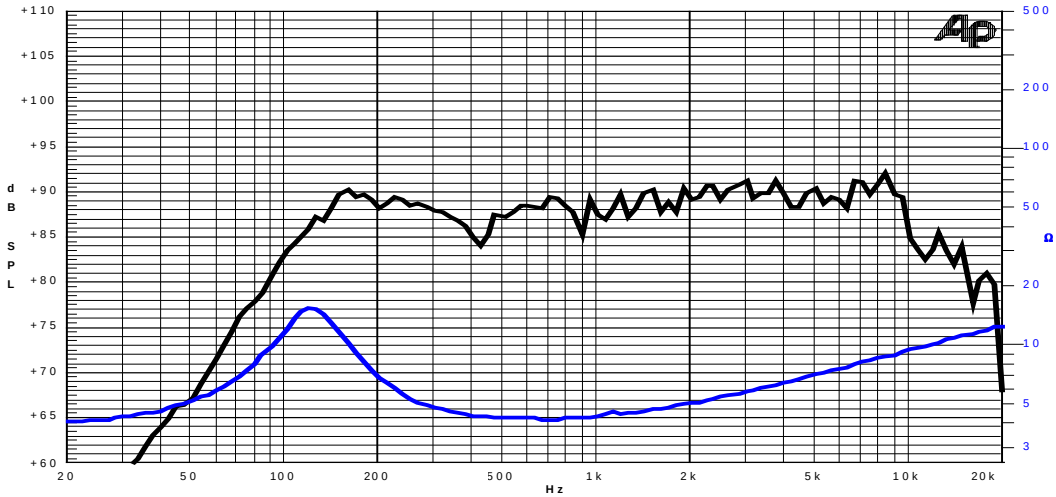

| Specifications | |
|---|---|
| Nominal Diameter | 104 mm (4") |
| Nominal Impedance | 4 Ω |
| Rated Power AES (1) | 60 W |
| Continuous Program Power (2) | 120 W |
| Sensitivity @ 1W/1m (3) | 88.1 dB |
| Voice Coil Diameter | 25 mm (1") |
| Voice Coil Winding Depth | 8 mm |
| Magnetic Gap Depth | 6 mm |
| Flux Density | 1.10 T |
| Magnet Weight | 380 g |
| Net Weight | 1.0 kg |

| Thiele & Small Parameters (4) | | | |
|---|---|---|---|
| Re | 3.32 Ω | Fs | 126.6 Hz |
| Qms | 2.21 | Qes | 0.64 |
| Qts | 0.50 | Mms | 4.0 g |
| Cms | 390 µm/N | Bxl | 4.08 Tm |
| Vas | 1.1 l | Sd | 44.2 cm$^2$ |
| X max (5) | +/-2.2 mm | X var (6) | +/-3.7 mm |
| $\eta_0$ | 0.33 % | Le (1kHz) | 0.08 mH |

| Constructive Characteristics | |
|---|---|
| Magnet | : Ferrite |
| Basket Material | : Pressed Sheet Steel |
| Voice Coil Winding Material | : Copper |
| Voice Coil Former Material | : Aluminium |
| Cone Material | : Paper |
| Cone Treatment | : Surface Waterproof Treatment |
| Surround Material | : Treated Cloth |
| Dust Dome Material | : Polypropylene Ogive |




Frequency Response on IEC Baffle (DIN 45575) @ 1W,1m – Free Air Impedance




*Note:*
*1 : Rated Power measured with 2 hours test with pink noise signal, 6dB crest factor, loudspeaker mounted on enclosure*
*2: Power on Continuous Program is defined as 3 dB greater than the Rated Power*
*3: Calculated by Thiele & Small parameters*
*4: Thiele & Small parameters measured with laser system without preconditioning test*
*5: Measured with respect to a THD of 10% using a parameter-based method*
*6: Value corresponding to a decay of the Force Factor, or Compliance, or both, equal to the 50% of the small signal value.*
*7: Drawing dimensions: mm*
*8: The notch around 400Hz on the frequency response is typical of the measurement on IEC baffle*

*Due to continuing product improvement, the features and the design are subject to change without notice.* 05/06/12

SICA Altoparlanti s.r.l. - ITALY – website: www.sica.it - E-mail: lab@sica.it - Tel. +39-071-7958072 - Fax +39-071-7959006