

# CHN 40P MICA

MARKAUDIO

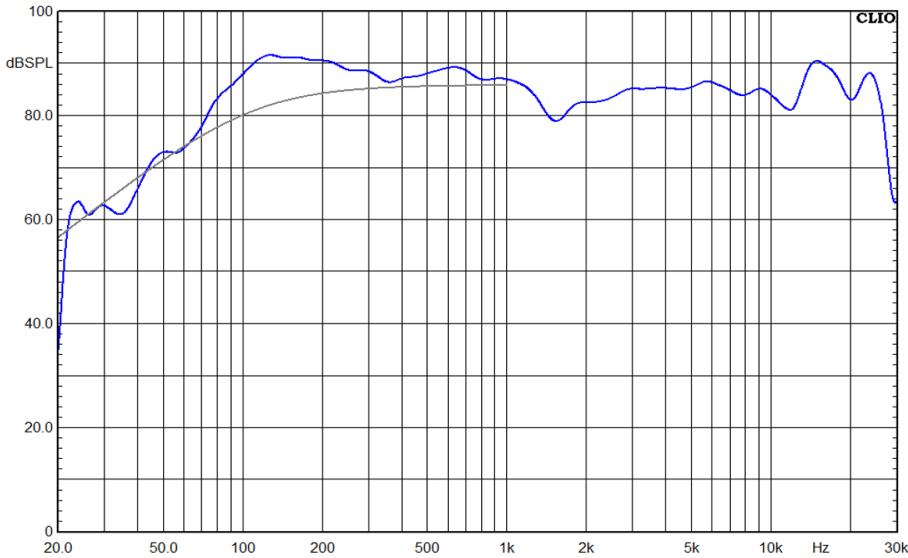


## CHN 40P MICA

The CHN40P MICA is our third MICA driver. This affordable, compact 2 ½ drive unit is suitable for use in small, full-range near-field projects or as a quality mid-tweeter for low-crossover multiway designs with our CHN50P MICA and CHP90 MICA, as well as line-array designs. The cone is formed from paper, mica, and fiber-strand materials, creating high stability in the emitting surface across the usable frequency range.

F Zero is 106Hz; VAS is +1.168 Litres, and SPL 85.93dB 1m/2.83v value. The useable frequency range (depending on box design) is from 120Hz to 28KHz. We have built a gentle rise into the high-frequency response, as seen in some of our more expensive drive units, to enhance positioning flexibility. The sound presentation is neutral and the Thiele / Small parameters, with a generous 3.5mm (1-way mechanical) Xmax are balanced for ease of use.

The CHN40P MICA stands out with its unique design features. The low-mass voice coil, suspension, and shallow profile MICA cone are all innovative designs. The pressed steel frame is designed to be very open, allowing airflow to be as free as possible to the rear of the cone. The response extends from resonance beyond 20KHz, and the impedance rise at higher frequencies is near flat.



The frequency response above shows the measured anechoic axial sound pressure level using a standard IEC test baffle. Input 2.83v RMS, microphone distance 0.5m, SPL normalized to 1m value. The grey line is the calculated low-frequency infinite baffle response from the parameters given in this datasheet. Impedance is measured in free space with a 1v input signal.

- FS 106.6910 Hz
- VAS 1.1688 L
- RE 6.8000 Ohm
- IMP 8 Ohm (Nom)
- QMS 2.8554
- QES 0.6781
- QTS 0.548
- Bxl 3.0616 Txm
- SPL 85.93 dB 1m/2.83v
- SD 0.0023 m2
- CMS 1.5959 mm/N
- MMS 1.3944 g
- MMD 1.3324 g
- L1kHz 00655 mH
- L10kHz 0,0523 mH
- PWR 7 watts (Nom)
- Xmax +/- 3.5mm

