



# CHN719



## CHN-719

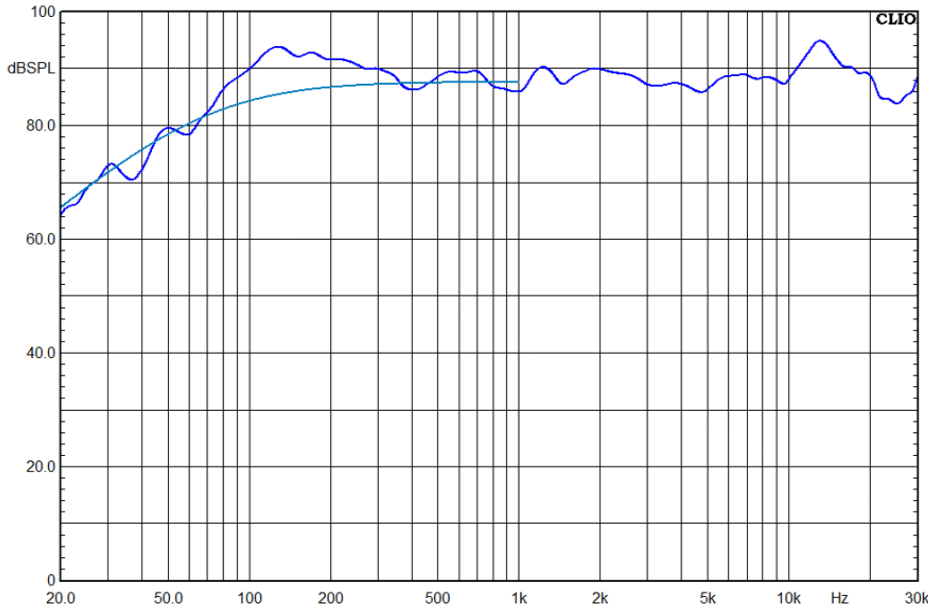
The CHN-719 is a full-range design that is used in many audio applications. Designed by Mark Fenlon and Evan Yu for use by audio end-users who want a high-performance driver at a lower cost. The main features of the CHN719 are:

- 1 – Operating range from 40Hz to 20kHz (depending on box designs).
- 2 – Natural sound (near flat response).
- 3 – Long throw power-train design ( $X_{max} \pm 4.3\text{mm}$ ).
- 4 – Heavy-duty pressed steel frame, damped design.
- 5 – Easy surface mounting installation.
- 6 – Double magnet system for optimized flux density and damping.
- 7 – Copper-capped pole piece for reduced distortion and more linear impedance load.

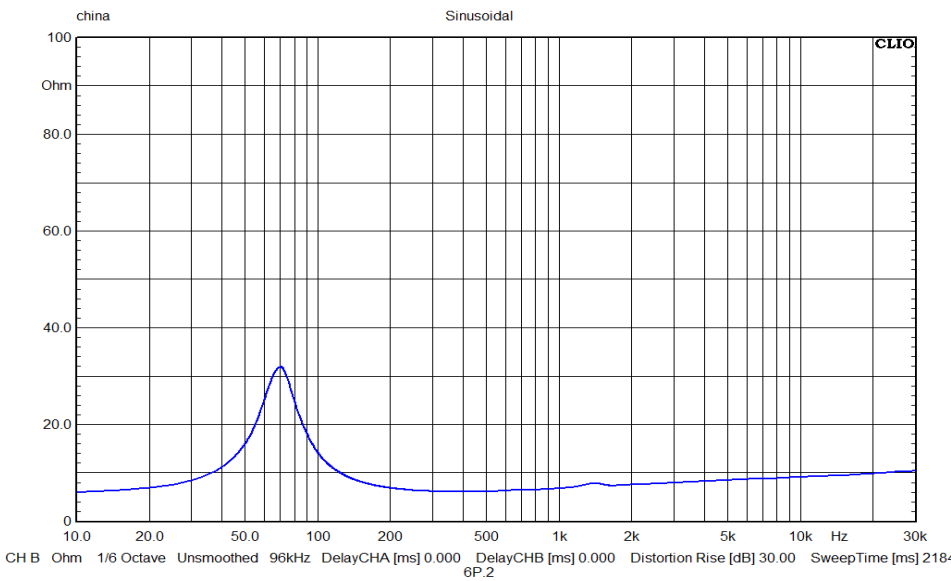
The cone, coil, and suspensions are all-new designs. The frame is made from 0.7mm high-quality pressed steel with a synthetic damping coating to reduce vibrations and ensure the best environmental protection.

The high compliance suspension and powerful magnet CMS1.3mm/N create the CHN's sound character, which is natural and especially suitable for vocal reproduction.

The CHN719 is suitable for sealed and ported box designs with volumes from 3 to 12 liters; other box designs can also be used.



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 light blue 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.



CH B Ohm 1/6 Octave Unsmoothed 96kHz DelayCHA [ms] 0.000 DelayCHB [ms] 0.000 Distortion Rise [dB] 30.00 SweepTime [ms] 2184  
 File: china Sinusoidal

FS	68.4996 Hz
VAS	4.7247 L
RE	5.4 Ohm
QMS	2.9476
QES	0.5981
QTS	0.4972
BxL	3.9577 Txm
SPL	87.684dB
SD	0.0050m <sup>2</sup>
CMS	1.3392mm/N
MMS	4.0311 g
RMS	0.5996WM
RAT	138100WA
RMT	3.4893 WM
MMD	3.8294 g
H0	0.24%
L1kHz	0.1666 mH
L10kHz	0.0555 mH
XMAX	+/- 4.3mm
PWR	20 watts (Nom)

