

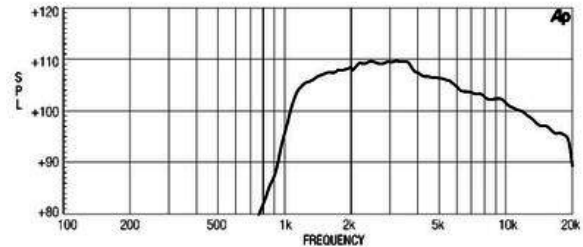
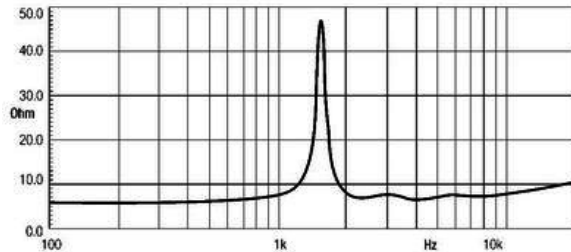
- 109dB SPL 1W/1m average sensitivity
- 1 inch exit on 1 3/8" screw-in type
- 1 inch voice coil diameter
- 40 W program power handling
- Rugged phenolic diaphragm
- Usable in two way or multi-way system

The HD110 is a HF unit suitable for compact size two and three way lightweight systems. It will deliver an unmatched combination of extended linear frequency response and very high efficiency. With a throat exit of 1 inch, the HD110 is developed to match all 1-3/8" screw-in type horns.

The phenolic diaphragm assembly, with its 1 inch edge-wound aluminum voice coil, is capable to handle up to 40W continuous program power for temperature range up to 250°C.

Computer Aided Finite Element Analysis and extensive testing were used to obtain phase plug shape made in high pressure injectionmolded polypropylene foam, designed to assuring maximum strength. Final result is a smooth coherent wavefront in the horn entrance, high thermal stability and manufacturing consistency.

The HD110 compact size and lightweight ceramic magnet assembly is designed to obtain 16KGauss in the gap.



### SPECIFICATIONS<sup>1</sup>

|                                        |                |
|----------------------------------------|----------------|
| Throat Diameter                        | 25 mm (1.0 in) |
| Nominal Impedance                      | 8 Ω            |
| Minimum Impedance                      | 7.0 Ω          |
| Nominal Power Handling <sup>2</sup>    | 20 W           |
| Continuous Power Handling <sup>3</sup> | 40 W           |
| Sensitivity <sup>4</sup>               | 109.0 dB       |
| Frequency Range                        | 2.0 - 20.0 kHz |
| Recommended Crossover <sup>5</sup>     | 2.5 kHz        |
| Voice Coil Diameter                    | 25 mm (1.0 in) |
| Winding Material                       | Aluminum       |
| Diaphragm Material                     | Cloth          |
| Magnet Material                        | Ferrite        |

### MOUNTING AND SHIPPING INFO

|                  |                                                                 |
|------------------|-----------------------------------------------------------------|
| Overall Diameter | 86 mm (3.39 in)                                                 |
| Depth            | 62 mm (2.44 in)                                                 |
| Net Weight       | 0.8 kg (1.76 lb)                                                |
| Shipping Weight  | 0.9 kg (1.98 lb)                                                |
| Shipping Box     | 90x90x70 mm(3,5x3,5x2,8 in) mm<br>(3.54x3.54x2.76x0.12x0.08 in) |

1. Driver mounted on Eighteen Sound XR1064 horn
2. 2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated nominal impedance.
3. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
4. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
5. 12 dB/oct. or higher slope high-pass filter.