

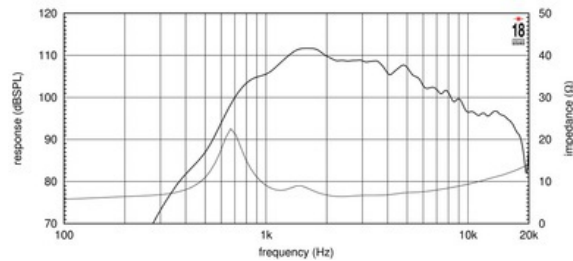
- Best performance to price 1" exit driver on the market
- 109 dB 1W/ 1m average sensitivity
- 1 inch throat exit
- 44.4mm inch edgewound aluminum voice coil
- 100 W program power handling
- Titanium-PEN diaphragm assembly
- Proprietary phase plug design

The HD1000 1" exit high frequency compression driver has been designed for use in high quality audio systems.

The proprietary titanium diaphragm has been developed to assure unmatched transient response and extended bandwidth. A proprietary treated Nomex former with edge-wound copper-clad aluminum wire (CCAW) 44mm voice coil completes diaphragm assembly.

Equipped with Proprietary Phase Plug, the HD1000 has been designed to give a smooth coherent wave front in the horn entrance in all working frequency range with high level manufacturing consistency. The phase plug with its short openings and high flare rate assures low distortion with excellent mid-high frequency reproduction.

The HD1000 powerful ceramic magnet assembly has been designed to obtain 15 kGauss in the gap with one of the most compact ferrite motor structures in its class.



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

Throat Diameter	25 mm (1.0 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.7 Ω
Nominal Power Handling <sup>2</sup>	50 W
Continuous Power Handling <sup>3</sup>	100 W
Sensitivity <sup>4</sup>	109.0 dB
Frequency Range	1.6 - 20.0 kHz
Recommended Crossover <sup>5</sup>	1.6 kHz
Voice Coil Diameter	44 mm (1.75 in)
Winding Material	Aluminum
Diaphragm Material	Titanium - Pen
Flux Density	1.4 T
Magnet Material	Ferrite

### MOUNTING AND SHIPPING INFO

Overall Diameter	100 mm (3.94 in)
Depth	61 mm (2.4 in)
Net Weight	1.4 kg (3.09 lb)
Shipping Weight	1.5 kg (3.31 lb)
Shipping Box	134x120x74 mm (5.28x4.72x2.91 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.