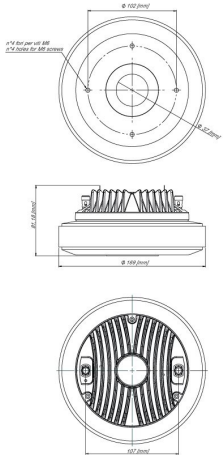
HD1480T 8Ω

HF Drivers - 1.4 Inches



- 109 dB SPL 1W / 1m average sensitivity
- 1.4 inch exit throat
- 3 inch edgewound aluminum voice coil
- 200W program power handling
- Polyethilene - Titanium diaphragm assembly
- Copper shorting ring on pole pieces
- Available also in 2" exit version

The HD1480T 1.4 inch exit high frequency compression driver has been designed for use in high quality installed audio systems, where weight is not the key issue. The motor structure, throughout the precisely coherent phase plug with 3 circumferential slots and copper ring on the pole piece, reduces inductance effects and distortion. Four top plate air ducts have been designed to act as a loading chamber for the diaphragm, implementing mid band distortion and response figures. The HD1480T diaphragm assembly is composed of a titanium dome sandwiched to a proprietary treated polyester suspension unit. It has been designed to maintain low resonance, lowering the minimum crossover point value at 1,2kHz. Thanks to its physical properties, the proprietary treated Nomex former has a 30% higher value of tensile elongation at a working operative temperature (200°C) when compared to Kapton. This feature enables proper energy transfer control from the voice coil to the dome in real working conditions. Moreover, this proprietary former material is also suitable to for use in higher moisture content environments. The HD1480T powerful ceramic magnet assembly has been designed to obtain 16KGauss in the gap. Excellent heat dissipation and thermal exchange are guaranteed by the direct contact between the magnetic structure and the diecast aluminum heatsink which leads to a lower power compression value.

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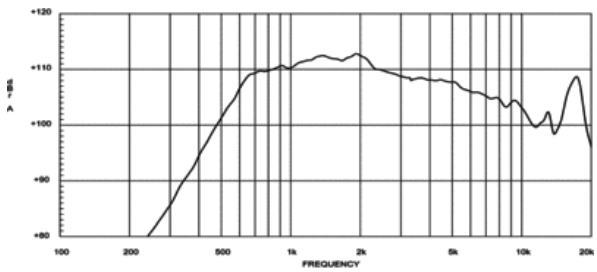

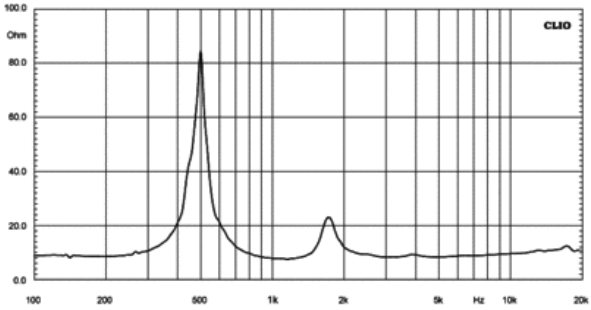

SPECIFICATIONS[1]

Throat Diameter	35 mm (1.4 in)
Nominal Impedance	8 Ω
Minimum Impedance	8.0 Ω
Nominal Power Handling[2]	100 W
Continuous Power Handling[3]	200 W
Sensitivity[4]	109.0 dB
Frequency Range	0.5 - 20.0 kHz
Recommended Crossover[5]	0.8 kHz
Voice Coil Diameter	75 mm (3.0 in)
Winding Material	Aluminum
Diaphragm Material	Titanium - Pen
Flux Density	1.8 T
Magnet Material	Ferrite

MOUNTING AND SHIPPING INFO

Overall Diameter	169 mm (6.65 in)
Depth	75 mm (2.95 in)
Net Weight	5.3 kg (11.68 lb)
Shipping Weight	5.4 kg (11.9 lb)
Shipping Box	185x170x85 mm (7.28x6.69x3.35 in)

1. Driver mounted on Eighteen Sound XR1464C 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.

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