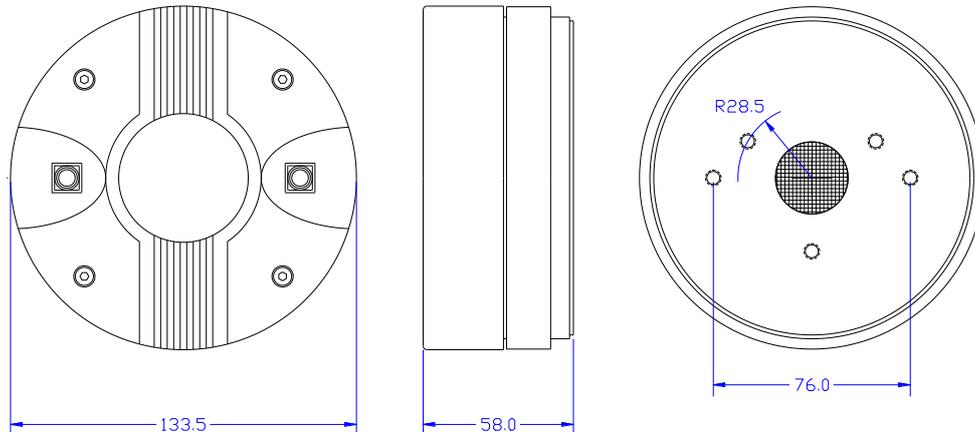


MODEL: BM-D450-8 1" Titanium Compression Driver



Description

The BM-D450 is a PAudio ferrite magnet high performance 1" throat compression driver bolt-on type high-frequency driver for use as a high frequency component in professional high quality sound reinforcement and reproduction applications. The BM-D450 has exceptional high frequency performance offering a high acoustic output of 108dB/1W/1m when coupled to the SH230 flare. Wide frequency range 800Hz to 20KHz when coupled to the SH230 flare and high 80watt power handling above 2.2kHz. When attenuated to a typical sensitivity of 100dB SPL the input power handling at the network input terminals is 500W relative to 2.83v/8-ohm reference.

| | |
|------------------------|---|
| Nominal impedance | 8 ohms |
| DC resistance | 6.4 ohms |
| Throat diameter | 25mm (1 Inch) |
| Power capacity | 80 watt cont. program above 2.2kHz |
| Voice coil | 44.4mm dia. copper clad aluminum ribbon. |
| Bobbin | Kapton |
| Diaphragm | Titanium |
| #Frequency range | 800Hz – 20kHz |
| #Sensitivity | 108 dB SPL/1W/1m with SH230 Horn Flare |
| #Recommended crossover | 2.2kHz or higher 12 dB/oct min. |

Crossover

The horn driver must be connected to a system via a frequency selective device the "crossover" which may be passive or active-electronic type. We recommend a minimum 12dB/octave high-pass filter at 2.2kHz or higher, refer our computer-aided design filter networks which are designed to meet specific target response, however in demanding applications a higher order network is recommended and necessary. The use of a non-optimized crossover may result in inferior performance.

Frequency range, sensitivity, and crossover are horn flare dependent.
Specifications subject to change without notice.

Mounting Details

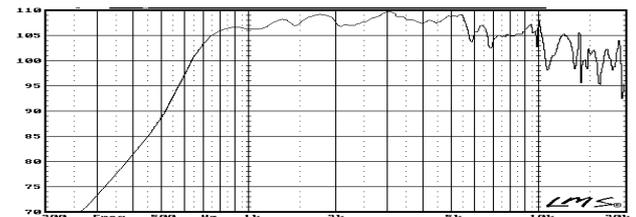
Three equi-spaced 6mm metric threaded holes on a 57mm PCD. Additionally two 6mm metric threaded holes on a 76mm PCD.

Connection

The diaphragm is terminated with quick connect push terminals, observe polarity.

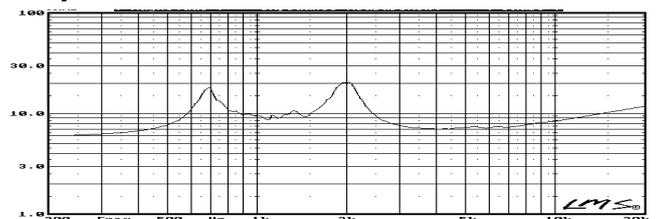
PAudio BM-D450 horn driver is an imported item proudly used and indorsed by Lorantz Audio.

Frequency Response



Infinite baffle SPL response recorded at one watt at one metre for BM-D450 driver coupled to SH230 flare.

Impedance



Impedance magnitude for BM-D450 driver coupled with SH230 flare.

Technical Data

Typical measured parameters: