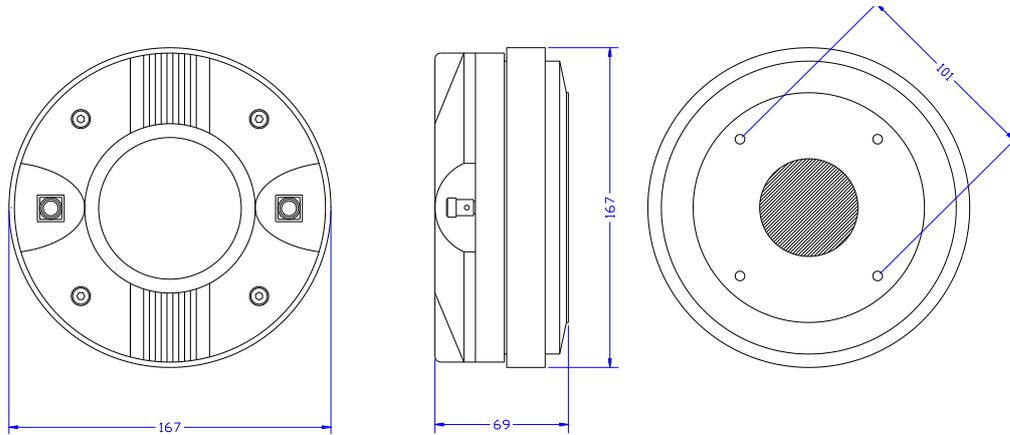


PAudio BM-D750-8

2" Titanium Compression Driver



Description

PAudio BM-D750 is a high performance ferrite magnet 2" throat bolt on high-frequency compression driver for use as a high frequency component in professional sound reinforcement reproduction applications.

The BM-D750 offers exceptional high frequency performance producing high acoustic output at 109dB/1w/1m when coupled to the SH450 flare. Wide frequency range 500Hz to 20kHz when coupled to the SH450 flare and a high 100watt power handling above 800Hz. 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.

Crossover

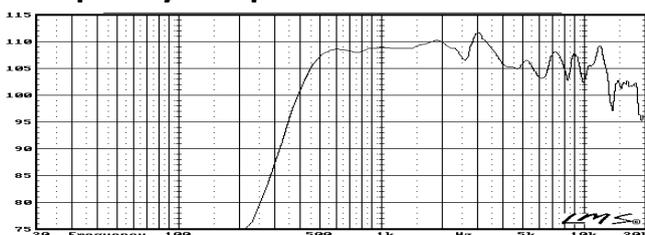
The horn driver must be connected to a system via a frequency selective device the "crossover" which may be passive or active-electronic type. We recommend a minimum 12dB/octave high-pass filter at 800Hz or higher, refer our computer-aided design filter networks which are designed to meet a specific 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 and often unreliable performance.

Connection

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

Frequency Response



Infinite baffle sound pressure response recorded at one watt at one metre for BM-D750 driver coupled with SH450 flare.

Technical Data

Typical measured parameters:

Nominal impedance	8 ohms
DC resistance	6.3 ohms
#Power capacity	100 watt cont. program above 800Hz
Voice coil diameter	72.2 mm
Diaphragm	Titanium
Voice coil	Edge wound copper clad aluminum ribbon wire
Bobbin	Nomex
#Frequency range	500Hz – 19kHz
#Sensitivity	109 dB SPL/1W/1m with SH450 Horn Flare
#Recommended crossover	800Hz or higher 12 dB/oct min.

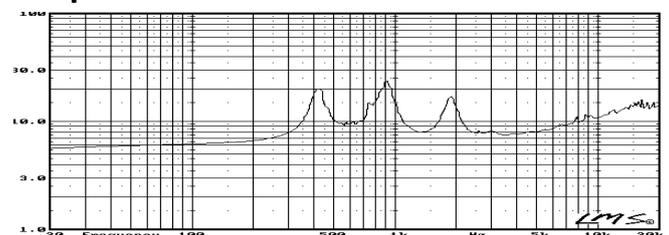
Power handling, frequency range, sensitivity and recommended cross-over frequency are horn flare dependant.

Specifications subject to change without notice.

Mounting Details

Four equi-spaced 0.25" BSW threaded holes on a 101mm PCD.

Impedance



Impedance magnitude for BM-D750 driver coupled with SH450 flare.

The PAudio BM-D750 is used and proudly endorsed by Lorantz Audio Services Pty Ltd.