

SAMMI SM-35T

1" Phenolic Horn Driver

Description

The SAMMI SM-35T is an efficient ferrite magnet 1" throat phenolic diaphragm horn driver designed for sound reinforcement and musical instrument applications in the frequency range 2KHz to 16KHz.

This unit employs a cast aluminum body and delivers a high sensitivity of 104 dB SPL combined with 35 watt power handling thereby delivering exceptional high end performance in a compact package..

This driver employs a 35mm diameter copper-clad aluminum voice coil wound onto a Kapton bobbin. The driver attaches to the horn flare via a 1 3/8-18 UNEF thread.



Crossover

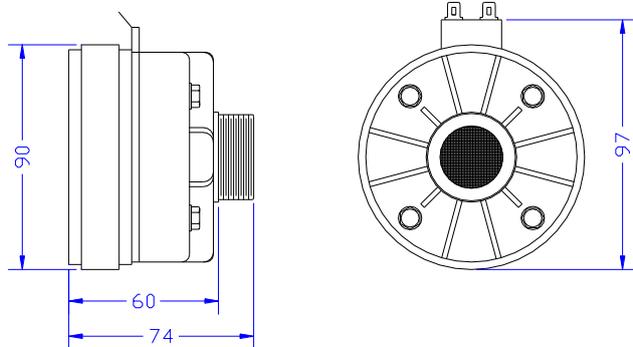
This unit must be connected to a system via a frequency selective device the "crossover" which may be passive or active-electronic type.

We recommend a minimum 12dB/octave high-pass filter, refer to 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 non-optimized networks may result in inferior performance.

Refer crossover application data sheet for recommended networks to meet various system target responses and end applications.

Options



This driver is available in 8 and 16 ohm impedance and is serviceable, replacement diaphragms are available.

Mounting Details

The driver comes with a 1 3/8 -18 UNEF threaded connection.

Connection

The diaphragm is terminated with 5.0mm spade terminals, observe polarity.

The SAMMI SM-35T is an imported Korean product proudly used and indorsed by Lorantz Audio Services Pty. Ltd.

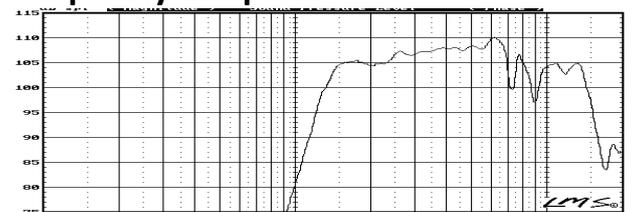
Technical Data

Typical measured parameters:

Nominal impedance	8 ohms
DC resistance	6.8 ohms
Throat diameter	25mm (1 inch)
Power capacity	35 watt sine wave above 1.5KHz (12db/octave crossover)
#Sensitivity	104BSPL, at 1W/1meter
#Frequency response	1.5KHz-16KHz
Recommended crossover	2KHz or higher, 12 dB /octave minimum
Diaphragm	Phenolic fabric
Voice-coil diameter	35mm
Voice-coil material	Copper-clad aluminium
Bobbin material	Kapton
Magnet weight	375 gm
Flux density	1.6 Tesla
Net Weight	1450 gms

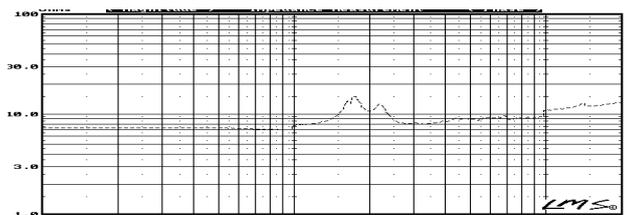
#Sensitivity and frequency response are horn flare dependent. Specifications subject to change without notice.

Frequency Response



Un-equalized LMS infinite baffle response recorded with SH150 horn flare at one watt at one metre.

Impedance



Impedance magnitude SM-35T driver coupled with a SH150 horn flare.