CL-6TB

CL series

Introduction

The D.A.S. CL-6TB is a 2-way ceiling loudspeaker system designed for high quality background, foreground music applications.

Description

The low end utilizes a 6.5" low frequency speaker with polypropylene cone that avoid age deterioration when exposed to heat and air humidity.

The high end makes use of a ferrofluid cooled soft dome coaxial tweeter for extended high frequency reproduction.

Sound field coverage is wide and uniform with efficient mid and high reproduction for greater intelligibility.

The D.A.S. CL-6TB includes a multitap transformer for 70V/100V systems.

Installation of the CL-6TB is quick and easy. The loudspeaker is packaged complete with the backcan, grille, and plastic support.

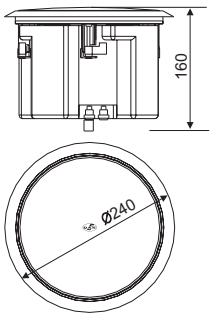
The recommended cut out diameter is 202mm (7.9 in)

Features

- **» 2-way ceiling loudspeaker**
- **» 6.5" cone speaker**
- **» Coaxial tweeter**
- **» 40 W power handling**

Specifications

RMS (Average) Power Handling[R]:	40 W
Program Power Handling[P]:	80 W
Peak Power Handling[K]:	160 W
Transformer taps (100V):	5 W, 10 W, 15 W
Transformer taps (70V):	2.5 W, 5 W, 7.5 W
On-axis Frequency Range:	60 Hz - 20 kHz
Nominal Impedance:	8 Ω
On-axis Sensitivity 1W / 1 m:	90 dB SPL
Nominal -6 dB Beamwidths:	110º
Connector:	Spring Terminal
Dimensions (H x Diameter):	160 x 240 cm 6.3 x 9 in
Weight:	1.75 kg (3.86 lb)



[R] Based on a 2 hour test using a 6 dB crest factor pink noise signal bandlimited according to IEC 268-1 (1985). All power ratings are referred to the nominal impedance.
[P] Conventionally 3 dB higher than the RMS measure, although this already utilizes a program signal.
[K] Corresponds to the signal crests for the test described in[R].

D.A.S. SOUND PRODUCTS

CL-6TB

Frequency Response
Figure 1 shows the frequency response at 1 m of a unit radiating to a half space anechoic environment and driven by a 1 W (2.83 V) swept sine signal, and impedance curve.

Directivity
Figure 2 shows normalized isobar plot.

Polar Response
Figure 3 shows the 1/3 octave band polars for the indicated frequencies. Full scale is 30 dB, 6 dB per division.

NOTES. 1.Frequency response: referred to 1 m; low end obtained through the use of near field techniques; one-third octave smoothed for correlation with human hearing.
5.Polars were acquired by placing the unit on a computer controlled turntable inside our anechoic chamber. Measurement distance was 4 m.

Product improvement through research and development is a continuous process at D.A.S. Audio. All specifications subject to change without notice.

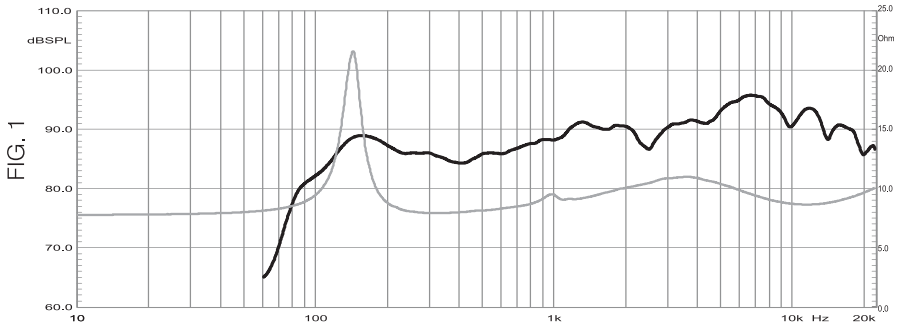


FIG. 1

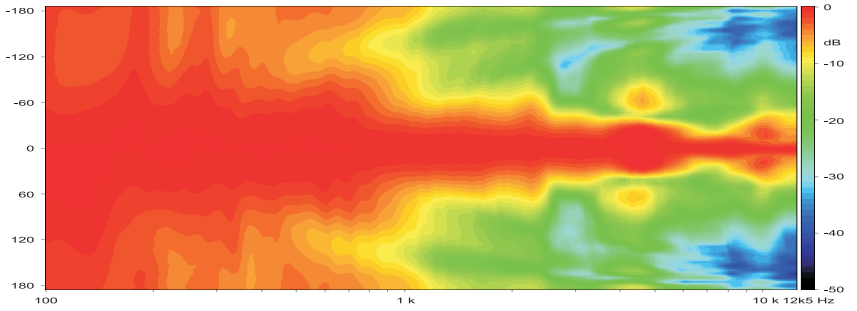


FIG. 2

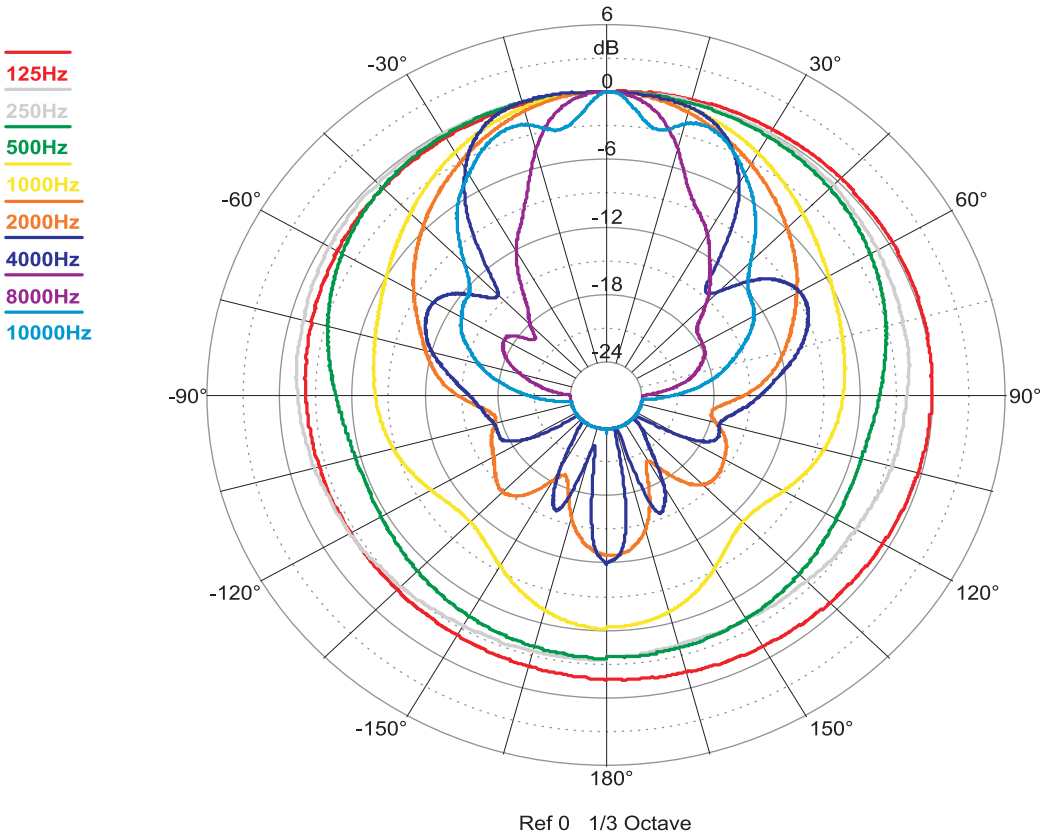


FIG. 3

D.A.S AUDIO, S.A.
C/. Islas Baleares, 24 - 46988 Fuente del Jarro - Valencia, SPAIN Tel. 96 134 0525 - Tel. Intl. +34 96 134 0860 Fax. 96 134 0607 - Fax. Intl. +34 96 134 0607
D.A.S AUDIO of AMERICA, Inc.
Sunset Palmetto Park- 6816 NW 77th Court - Miami, FL 33166 U.S.A. TOLL FREE : 1-888DAS4USA Tel. 305 436 0521 - Fax. 305 436 0528
D.A.S. AUDIO ASIA PTE. Ltd.
25 Kaki Bukit Crescent #01-00/02-00 Kaki Bukit Techpark 1, Singapore 416256 - Tel. +65 6742 0151 - Fax: +65 6742 0157
D.A.S. AUDIO DEUTSCHLAND GmbH,
Frankfurter Str. 17, 64546 Mörfelden-Walldorf, Germany - Tel: +49 (0)6105 967610 Fax: +49 (0)6105 967611
http://www.dasaudio.com