



Product Tech Data Sheet

Model CM141CC

Description

The CM141CC is intended for background music playback where a very small and elegant finish enclosure is desired.

The high frequency section features a high performance coax mounted PRD100 planar ribbon transducer designed by SLS Loudspeakers. The unique design and properties of this ribbon driver allows for an extremely accurate high frequency presentation. It is mounted in front of a high quality 4" polycone woofer.

As an option the CM832JB junction box can be used to power four CM141CC units as a single 8 ohm load or as a single 70V 160W tap (32 ohm loading). Either of these wiring solutions bypass the need for performance degrading 70V transformers.

For extended range operation the CM Series subwoofers should be used. These subwoofers also provide a high pass and low pass crossover network, 8 ohm series parallel wiring for the CM141CC and an optional internal 70V 60W transformer.



Key Features

- High quality polycone 4" woofer
- Coax mounted direct radiating planar PRD100 ribbon high frequency line source module delivers unsurpassed sound quality.
- 110 degree symmetrical coverage
- Very small box design
- Barrier strip inputs
- Available in an elegant high gloss white or black with removable fabric grill

Applications

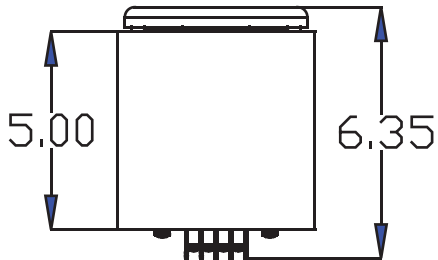
- High quality business music playback
 - Retail
 - Restaurant
 - Hospitality
- Home Theater
- Commons area fill music and lower SPL paging

Product Specifications	
Operating Range ¹	100Hz - 20,000Hz
Sensitivity (1W/1M) ²	85dB
Horizontal Coverage Angle -6dB ³	110 Degrees
Vertical Coverage Angle -6dB ³	110 Degrees
Power Handling ⁴	50W RMS (20 Volts)
Max SPL (calculated) 1 Meter	102dB SPL
Recommended Amp Power for Max Output	100Watts @ 8 ohms
Nominal Impedance	8 Ohms
Suggested Crossover Frequency - HPF	100Hz - 4th order BW
Transducers - Low Freq.	4" Bass/Midrange
High Freq.	PRD100 Ribbon
Input	Barrier Strip
Dimensions	5" (12.7cm) H 5" (12.7cm) W 5" (12.7cm) D
Enclosure	3/4" MDF closed box
Weight	3.5lbs (1.6kg)
Mounting	Threaded Inserts 1/4" - 20 thread
Optional Accessories	CM832JB Series-Parallel Junction Box MNT.CM141CC Mounting Bracket CM Series Subwoofer
Finish Options	White High Gloss Black High Gloss

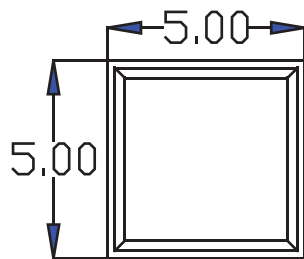
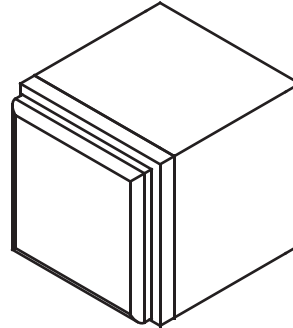
1. LF at -10dB, HF -6dB at 40kHz on-axis however response above 20kHz is limited by air absorption and DSP sampling rates in typical PA applications.
 2. Full bandwidth pink noise is applied and amplified to a level and measured at the loudspeaker terminals - corresponding to 1 Watt as referenced to the loudspeakers nominal impedance. SPL is measured in a half space environment in the loudspeakers far field. Data is extrapolated to 1 Meters distance from the loudspeaker.
 3. Averaged from 1000Hz to 10kHz
 4. AES established with ambient temperature at 22C in accordance with AES/2-1984 standard. IEC stated in RMS voltage according to IEC 268-5



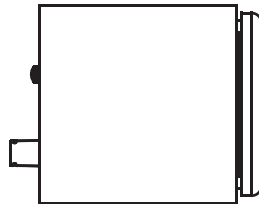
CM141CC Drawings



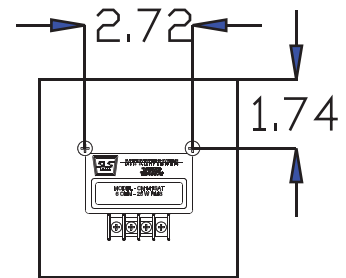
TOP



FRONT

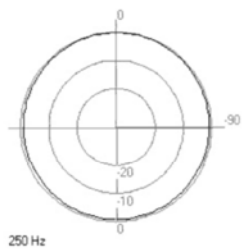


SIDE

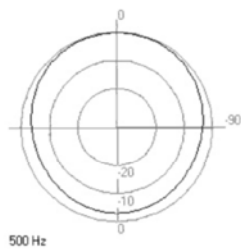


BACK

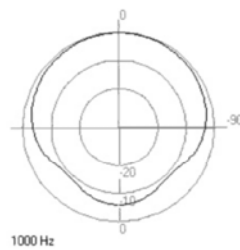
Polars (Symmetrical Coverage)



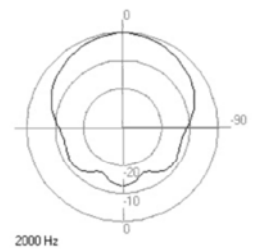
250 Hz



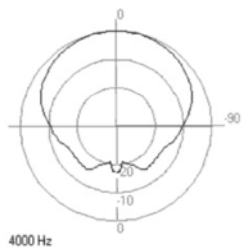
500 Hz



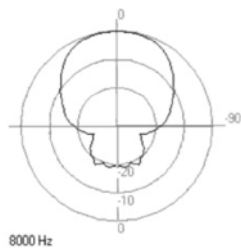
1000 Hz



2000 Hz



4000 Hz



8000 Hz