

CS850C CINEMA OVERHEAD SURROUND SPEAKER SYSTEM

SLS AUDIO A DIVISION OF DOLBY LABORATORIES 1650 W. JACKSON OZARK, MO 65721 417-323-7000

TECH DATA SHEET



Description:

The CS850C is a high quality 8" coax, two-way passive design. It serves as a ceiling surround sound source module for small to medium size theaters.

The CS850C high frequency section features a coax mounted 3'' planar ribbon transducer. The unique design and properties of the planar ribbon driver allows for a very clear delivery and transient accuracy even at the limits of its performance.

The CS850C contains an audiophile grade crossover delivering smooth response and consistent polar patterns throughout the crossover region.

Key Features:

- 3" planar ribbon, high frequency driver delivers unsurpassed sound quality
- Open and transparent sound even at high SPL due to advanced transducer technology in all bandwidth sections
- ◆ 13-ply 3/4" Baltic Birch cabinet construction
- ◆ Optional U-Bracket for easy installation and aiming

Applications:

- Developed for high performance cinema applications where the highest quality and intelligibility of sound is required
- Overhead Surround Source

Specifications/CS850C*

Sensitivity (1W@1M) ¹ 90dB Horizontal Coverage -6dB ² Vertical Coverage -6dB ² Power Handling ³ 75W (24V) AES/2 Recommended Amplifier 150W @ 8 ohms Max SPL (calculated) 1M 109dB continuous/115dB peak Nominal Impedance 8 ohms Crossover Frequency Passive 2500Hz Transducers LF 8" Woofer HF Coax 3" Ribbon Driver Input Barrier Strip Dims 15.5" (39.4cm) H 12" (30.5cm) W 7.25" (18.41cm) D-Middle 6.12" (15.54cm) D-Ends Enclosure 13 ply Baltic birch Net Weight 12 lbs./ 5.44kg Rigging U-Bracket Side Mounts & Rear mounts For 3rd party mounting systems Optional Accessories U Bracket (BKT.CS850-UB) Adaptive Technologies MultiMount TM (MM-024) Finish Options Flat Black Latex	Operating Range	60Hz to 20kHz
Vertical Coverage -6dB² Power Handling³ 75W (24V) AES/2 Recommended Amplifier 150W @ 8 ohms Max SPL (calculated) 1M 109dB continuous/115dB peak Nominal Impedance 8 ohms Crossover Frequency Passive 2500Hz Transducers LF 8" Woofer HF Coax 3" Ribbon Driver Input Barrier Strip Dims 15.5" (39.4cm) H 12" (30.5cm) W 7.25" (18.41cm) D-Middle 6.12" (15.54cm) D-Ends Enclosure 13 ply Baltic birch Net Weight 12 lbs./ 5.44kg Rigging U-Bracket Side Mounts & Rear mounts For 3rd party mounting systems Optional Accessories U Bracket (BKT.CS850-UB) Adaptive Technologies MultiMount™ (MM-024)	Sensitivity (1W@1M) ¹	90dB
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Nominal Impedance 8 ohms Crossover Frequency Passive 2500Hz Transducers LF 8" Woofer HF Coax 3" Ribbon Driver Input Barrier Strip Dims 15.5" (39.4cm) H 12" (30.5cm) W 7.25" (18.41cm) D-Middle 6.12" (15.54cm) D-Ends Enclosure 13 ply Baltic birch Net Weight 12 lbs./ 5.44kg Rigging U-Bracket Side Mounts & Rear mounts For 3rd party mounting systems Optional Accessories U Bracket (BKT.CS850-UB) Adaptive Technologies MultiMount MM-024)	Recommended Amplifier	150W @ 8 ohms
Crossover Frequency Passive 2500Hz Transducers LF 8" Woofer HF Coax 3" Ribbon Driver Input Barrier Strip Dims 15.5" (39.4cm) H 12" (30.5cm) W 7.25" (18.41cm) D-Middle 6.12" (15.54cm) D-Ends Enclosure 13 ply Baltic birch Net Weight 12 lbs./ 5.44kg Rigging U-Bracket Side Mounts & Rear mounts For 3"d party mounting systems Optional Accessories U Bracket (BKT.CS850-UB) Adaptive Technologies MultiMount TM (MM-024)	Max SPL (calculated) 1M	109dB continuous/115dB peak
Transducers	Nominal Impedance	8 ohms
Input Barrier Strip Dims 15.5" (39.4cm) H 12" (30.5cm) W 7.25" (18.41cm) D-Middle 6.12" (15.54cm) D-Ends Enclosure 13 ply Baltic birch Net Weight 12 lbs./ 5.44kg Rigging U-Bracket Side Mounts & Rear mounts For 3rd party mounting systems Optional Accessories U Bracket (BKT.CS850-UB) Adaptive Technologies MultiMount TM (MM-024)	Crossover Frequency	Passive 2500Hz
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Net Weight 12 lbs./ 5.44kg Rigging U-Bracket Side Mounts & Rear mounts For 3 rd party mounting systems Optional Accessories U Bracket (BKT.CS850-UB) Adaptive Technologies MultiMount TM (MM-024)	Dims	12" (30.5cm) W 7.25" (18.41cm) D-Middle
Rigging U-Bracket Side Mounts & Rear mounts For 3 rd party mounting systems Optional Accessories U Bracket (BKT.CS850-UB) Adaptive Technologies MultiMount TM (MM-024)	Enclosure	13 ply Baltic birch
For 3 rd party mounting systems Optional Accessories U Bracket (BKT.CS850-UB) Adaptive Technologies MultiMount TM (MM-024)	Net Weight	12 lbs./ 5.44kg
Adaptive Technologies MultiMount™ (MM-024)	Rigging	
Finish Options Flat Black Latex	Optional Accessories	Adaptive Technologies MultiMount TM
	Finish Options	Flat Black Latex

^{*}Due to product improvement research, SLS Audio reserves the right to make changes to existing products without notice.

- 2. Averaged from 500Hz to 8kHz
- 3. AES established in accordance with AES/2-2012 standard.

Rev: 1608

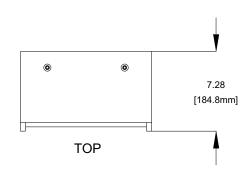
^{1.} A sine wave sweep is applied to a voltage level measured at the loudspeaker terminals corresponding to 1 W@1M as referenced to the loudspeakers nominal impedance and the measuring distance. SPL is measured in an anechoic environment in the loudspeakers far field with the exception of subwoofers which are measured in half space. Sensitivity is determined by a Log/Log averaging method from 315Hz to 16kHz in the anechoic environment. Subwoofers use the same method with the half space measurement but within their specified operating bandwidth.

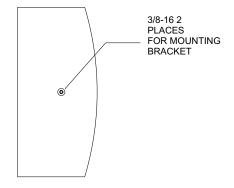


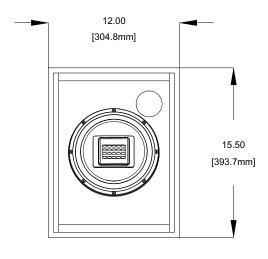
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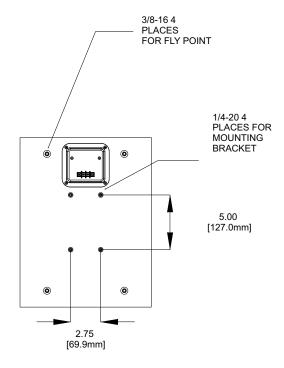






FRONT

SIDE



BACK