

IS-SP4

4" In-Ceiling Speaker



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Features:

Stewart Audio's IS-SP4 is a low profile speaker featuring an open back for use in non-plenum airspace environments. A 4" mid-range driver delivers accurate voice and music reproduction, as well as wide angle sound distribution. Wide dispersion characteristics make it a good choice in low ceiling applications.

Overall response for the IS-SP4 is 20 Hz to 20 kHz. The IS-SP4 can be retrofitted with the optional 70 volt multi-tap transformer. The transformer converts the speaker from a standard stereo to a distributed audio system. Distributed audio is best used in a classroom configuration where the audio field requires equal sound distribution

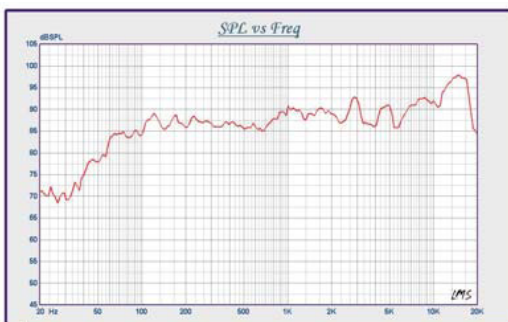
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Specifications

Speaker Type and Size	4" In-Ceiling Speaker System
Operating Range	20 Hz - 20,000 Hz
Nominal Impedance	8 Ohms @ 422 Hz +/- 5% @ 7 V
Effective Frequency Band	20 Hz to 20 KHz
Lowest Resonance Frequency	84 Hz +/- 20%
Sensitivity	87dB +/- 3dB/1Watt @1 Meter
Power Handling	30 Watts to 60 Watts
Input Power	Nominal: 40 Watts; Maximum: 60 Watts
Magnet Size (Main)	70 x 32 x 15 mm; 5.40 oz
Buzz, Rattle Test	7V Sine Wave
Operation Test	5V Program Source
Aging Test	4V up to 8 Hours using EIA RS426A
Heat Test	50 +/-2° C, 20 to 50% Humidity for 24 Hours
Humidity Test	40 +/-2° C, 90 to 95% Humidity for 24 Hours
Temperature Cycling Test	-20° C to 70° C, 2 Hrs/Cycle (C) for 5 Cycles
Frequency Response	See Graph
Construction	Highly composite formulated paper pulp with foam surround; 20 phi voice coil with Nomex former; high heat ABS plastic
Dimensions	6.693" Diameter (170MM) x 4.528"D (117MM)
Weight	1.353 lbs (unpackaged)
Warranty	12 Months Limited Warranty

Frequency Response



Impedance Curve

