AcousticCoverage Series

AC-S6T

The small format, surface mount loudspeaker system shall be a two-way full-range design. The loudspeaker low-frequency transducer shall be an 6.5-inch (165 mm) woofer with a polypropylene cone and a 1-inch (25 mm) voice coil. The loudspeaker high-frequency transducer shall be a 1-inch (25 mm) aluminum dome tweeter with a 1-inch voice-coil. The loudspeaker system shall be capable of operation in low-impedance (8Ω) bypass mode or over a 70/100V distributed audio line via a built-in low-loss, low-saturation 30-watt transformer.

The loudspeaker system shall meet the following performance criteria: effective frequency range of 60 Hz to 20 kHz (free-field, -10 dB from on-axis sensitivity); broad-band sensitivity of 86 dB SPL (on-axis, free-field sensitivity, 2.83V, 1 m); maximum rated SPL (calculated) of 101 dB continuous and 107 dB peak; rated power capacity of 15.5V or 30W (two-hours, IEC60268-1 noise); recommended amplifier power of 60W; rated impedance of 8 Ohms. The loudspeaker system's nominal coverage angle shall be 130 degrees (-6 dB) conical.

The loudspeaker system shall connect via a 4-pole Euroblock connector on the rear of the loudspeaker enclosure. The enclosure shall be constructed of paintable high-impact ABS polymer in either of two RAL colors: black (9011) or white (9010). The front of the full range system shall be protected by a grille of powder-coated steel. The enclosure shall be fitted with two brass inserts that accept an included yoke mount. The loudspeaker may be used in either horizontal or vertical deployments.

The enclosure shall be 11.9 in (303 mm) high, 8.5 in (215 mm) wide, and 7.8 in (197 mm) deep. The loudspeaker system shall have a net weight of no more than 8.3 lb (3.8 kg).

The two-way full-range loudspeaker system shall be the QSC Audio Products AC-S6T.