

T2 Surface-Mount Speaker

Architectural Specifications

The loudspeaker shall consist of a 5.25-inch low-frequency transducer, 1-inch high-frequency transducer, and frequency dividing network installed in a trapezoidal enclosure.

Performance specifications of a typical production unit shall be as follows: Measured sensitivity (SPL at 1 m [3.3 ft] with 2.83 V input, averaged from 500 Hz to 1.5 kHz) shall be at least 87dB. Usable frequency response shall extend from 80 Hz–20 kHz (10 dB below rated sensitivity, in half-space, with no external equalization). The frequency dividing network shall have a crossover frequency of 3kHz. Rated power capacity shall be at least 60 watts RMS.

The enclosure shall be constructed of black or white injection-molded ABS for protection against the elements in outdoor applications, and for paintability. The grille shall be steel. The low-frequency transducer shall be constructed of a polypropylene cone with a butyl rubber surround. The high-frequency transducer shall be constructed of sealed-back ferrofluid-cooled, titanium-coated dome for additional weather resistance. The external wiring connectors shall be spring loaded and shall accept bare wire.

Overall cabinet dimensions shall be no greater than 10.25 inches high by 7.00 inches wide by 7.00 inches deep, and shall weigh no more than 7 lb. The finish shall be a paintable, lightly textured black or white. The system shall be the Posh T2 Surface-Mount Speaker System.