

DesignMax DM2S surface-mounted loudspeaker

ARCHITECTS' & ENGINEERS' SPECIFICATIONS

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The full-range loudspeaker shall contain a single 2.25" full-range transducer.

This full-range loudspeaker shall meet the following performance specifications: On-axis system frequency response shall be 85 Hz to 19 kHz (-10 dB) with the use of recommended active equalization. The loudspeaker sensitivity shall be 82 dB SPL in half-space environment with Bose EQ voicing with 1 W input at 1 meter. The long-term power handling rating shall be 20 W (AES test methodology using IEC system noise, 2-hour duration). Maximum continuous output shall be 95 dB SPL and the maximum peak output shall be 101 dB SPL, both in half-space environment with Bose EQ voicing. The nominal coverage pattern shall be 180° H x 155° V at 1-4kHz.

The loudspeaker shall be constructed of an engineered plastics, UV fade resistant enclosure. The loudspeaker shall consist of PC-PBT plastic materials that are resilient to cooking oil exposure. The loudspeaker shall be in compliance with the following safety standards; UL1480A. The transducers shall be located behind a perforated steel grille with a powder-coated finish that is magnetically attached with a tamper-resistant design. The loudspeaker shall contain a u-bracket mounting system that attaches, adjusts and locks without the use of tools. The loudspeaker shall be available in black or white and shall be paintable. Input connectors shall be a Euroblock 6-pin connector with loop-through. The loudspeaker shall have a nominal rated impedance of 16 ohms and shall be wired in parallel with a line voltage matching (stepdown) transformer with a level selector appropriate for output taps of 1.2, 2.3, 4.5, 9 Watts and Bypass (16 ohms). The loudspeaker input connections shall allow for direct connection to 70-volt, 100-volt or low-impedance amplifiers. Loudspeaker dimensions shall be 182 x 113 x 116 mm (7.17 x 4.45 x 4.57 in) and net weight shall be 1.32 kg (2.9 lbs).

Warranty shall be 5 years. The loudspeaker shall be the DesignMax DM2S surface mounted loudspeaker.