

COMMERCIAL SOUND LOUDSPEAKERS**8LS5110-14**General Description

The McBride 8LS5110-14 is a 5" public address loudspeaker suitable for any commercial sound application. Its high efficiency design overcomes ambient noise and provides full fidelity background music and high intelligibility speech reproduction at low to mid level power inputs.

Employing a 10 ounce, high density isotropic, ceramic magnet, the speaker has an ideal low profile for recessed or surface mounting. The speaker mounting holes provided are RETMA standard, permitting the use of normal mounting fixtures. Threaded mounting holes, for the addition of a line matching transformer, are provided on the rear.

The 8LS5110-14 utilizes a 1" high temperature bonded voice coil former, affording a high level of efficiency and maximum durability. The one piece paper cone and the viscous damped, cloth edge provide a smooth and intelligible response over a wide frequency range.

All metal parts are plated to provide an attractive appearance and protection against corrosion.

Architectural Specifications

The McBride 8LS5110-14 loudspeaker shall be a five inch, permanent magnet type using a 10.0 ounce high density isotropic ceramic magnet producing a minimum gap flux density of 12,000 Gauss. The voice coil former shall be of high temperature bonded construction and be 1 inch in diameter. Sensitivity shall be such that a sound pressure level of 96 db (on axis) at a distance of 1 meter is produced with an input of 1 watt. The power handling capacity shall be 20 watts RMS. The voice coil shall have a nominal impedance of 8 ohm. Overall diameter shall be 5-1/8 inches and the maximum depth shall be 2.25 inches. Overall weight shall be 1-1/2 pounds. Mounting holes shall be RETMA standard. All metal surfaces shall be plated to provide an attractive and rust proof finish.

Technical Specifications

Frequency Response:	60 - 17.5 KHz
Power Handling Capacity:	20 watts RMS
Sound Pressure Level:	96 db (1 watt/1 meter)
Cone:	One piece molded, 120 degree dispersion.
Cone Resonance:	73 Hz
Voice Coil:	8 ohm impedance, 1 inch dia. high temperature bonded.
Mounting:	4 elongated 13/64" x 5/16" holes equally spaced on a 2-11/32" radius.
Magnet:	10.0 ounce high density ceramic (isotropic).
Flux Density:	12,000 Gauss
Speaker Terminals:	0.205" solder lug
Weight	1-1/2 lbs
Finish:	Bright zinc plating
Packaging:	24 to a carton



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