

COMMERCIAL SOUND LOUDSPEAKERS**8LS822-14**General Description

The McBride 8LS822-14 is an 8 inch, dual cone public address loudspeaker. Its high efficiency design overcomes ambient noise and provides full fidelity background music at low 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 mounting holes provided are RETMA standard, permitting use of normal mounting fixtures. Mounting holes are also provided for popular line matching transformers.

The 8LS822-14 utilises a high temperature bonded voice coil former, affording a high level of efficiency and maximum durability. The one piece paper cone with whizzer, and the viscous edge damping treatment, 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 8LS822-14 loudspeaker shall be an eight inch, permanent magnet, dual cone 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 one inch in diameter. Sensitivity shall be such that a sound pressure level of 94 db (on axis) at a distance of one meter is produced with an input of one watt. The power handling capacity shall be 20 watts RMS. The voice coil shall have a nominal impedance of 8 ohms. Overall diameter shall be 8-1/16 inches and the maximum depth shall be 2-7/8 inches. Overall weight shall be 1-5/8 pounds. Mounting holes shall be RETMA standard. All metal surfaces shall be plated to provide an attractive and rust proof finish.

Technical Specifications

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|--------------------------|---|
| Frequency Response: | 45 - 18 KHz |
| Power Handling Capacity: | 20 watts RMS |
| Sound Pressure Level: | 94 db (1 watt/1 meter) |
| Cone: | One piece molded, 90 degree dispersion. |
| Cone Resonance: | 72 Hz |
| Voice Coil: | 8 ohm impedance, 1 inch dia. high temperature bonded. |
| Mounting: | 4 elongated holes 13/64 x 5/16, equally spaced on a 3-27/32 radius. |
| Magnet: | 10.0 ounce high density ceramic (isotropic). |
| Flux Density: | 12,000 Gauss |
| Speaker Terminals: | Solder lug |
| Weight | 1-5/8 lbs |
| Finish: | Bright Zinc plating |
| Packaging: | 24 to a carton |



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