4 INCH (100 MM) VOICE RANGE SPEAKER W/ ALUMINUM GRILL

PART #: 90308

Experience the undeniable sound of reliability with the 90308, a 4-inch voice range speaker designed to perform in any outdoor environment. This reliable and rugged speaker is perfect for outdoor voice communications, signals, alarms, and transit audio systems. Its robust ferrite magnet and durable aluminum voice coil deliver crystal-clear audio.

The 90308 is built to withstand the elements, thanks to its pre-mounted black powder-coated aluminum grill that protects it from moisture, heat, and wind. With its exceptional sound quality and durability, this speaker is perfect for any application where audio needs to cut through the noise and last.

- Reliable and rugged speaker designed for outdoor use
- Crystal clear audio with a robust ferrite magnet and durable aluminum voice coil
- Pre-mounted black powder-coated aluminum grill protects against the elements
- Perfect for outdoor voice communications, signals, alarms, and transit audio systems
- Exceptional sound quality and durability

MISCO engineers use the world's most sophisticated loudspeaker measurement systems, including the Klippel Analyzer, to maximize and confirm the speaker's design and the Klippel QC module to ensure perfect unit-to-unit consistency and reliability.



Primary Specifications

Size, Nominal (inch & mm)	4" (100 mm)
Rated Impedance (Ω)	8
Sensitivity (dB SPL) [1]	94
Frequency Range (Hz)	300 - 5000
Resonant Frequency (Fs) (Hz) +/- 15%	685

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More Specifications

Application	Outdoor , Transit, Voice Communications
RoHS Compliant	No
DC Resistance (Re) (Ω)	6.4
Program Power (W)	20

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
DC Resistance (Re) (Ω)	6.4
Resonant Frequency (Fs) (Hz) +/- 15%	685
Mechanical Q Factor (Qms)	9.99
Electrical Q Factor (Qes)	5.96
Total Q Factor (Qts)	3.73

Material Descriptions

Basket Type	Stamped steel
Terminal Size (mm)	4.8 x 0.5
Voice Coil Diameter (mm)	19
Voice Coil Wire Material	Copper clad aluminum
Voice Coil Former Material	Kapton
Magnet Material	Ferrite
Magnet Weight (g)	136
Cone Body Material	Acrylic treated textile
Cone Surround Material	Acrylic treated textile
Dust Cap Material	Acrylic treated textile
Net Weight (kg)	0.52



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