2 INCH (50 MM) MYLAR WATERPROOF VOICE SPEAKER

PART #: 50SA08M

Looking for a speaker that can withstand the elements and deliver exceptional clarity in communication? Look no further than the MISCO all-weather speaker. This speaker is designed for indoor and outdoor use, making it ideal for entry intercoms and compact spaces. With an Alnico V, HE+ magnet, and mylar cone, this speaker is built to last. It is resilient against humidity, making it a stalwart choice for equipment alarms where durability and clear, repeated tones are essential. With optimal performance in the most challenging environments, this speaker is your steadfast partner in delivering reliable, high-quality sound.

- Can withstand the elements
- Ideal for both indoor and outdoor use
- Exceptional clarity in communication
- Resilient against humidity
- Ideal choice for equipment alarms
- Delivers reliable, high-quality sound

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)	2" (50 mm)
Rated Impedance (Ω)	8
Sensitivity (dB SPL) [1]	88
Frequency Range (Hz)	500 - 6, 000
Resonant Frequency (Fs) (Hz) +/- 15%	500

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More Specifications

Application	Drive-Thru / Kiosk, Medical, Signal / Alarm Systems, Voice Communications
RoHS Compliant	Yes
DC Resistance (Re) (Ω)	7.8
Program Power (W)	2

Small Signal Parameters

Nominal Impedance (Z) (Ω)	8
DC Resistance (Re) (Ω)	7.8
Voice Coil Inductance (Le) (mH)	0
Resonant Frequency (Fs) (Hz) +/- 15%	500
Mechanical Q Factor (Qms)	5.4
Electrical Q Factor (Qes)	8.5
Total Q Factor (Qts)	3.29

Material Descriptions

Basket Type	Stamped steel with zinc plating
Terminal Size (mm)	2.9 x 0.5
Voice Coil Diameter (mm)	15.0
Voice Coil Wire Material	Copper
Voice Coil Former Material	Paper
Magnet Material	Alnico
Magnet Weight (g)	10
Cone Body Material	Mylar
Cone Surround Material	Mylar
Spider Material	Conex
Dust Cap Material	Mylar

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