

2.5" Square Full Range Speaker

KEY FEATURES

This 2.5" full range speaker excels in tight spaces due to its small, square stamped steel basket, making it the ideal choice for narrow column speakers, sound bars, and compact satellite enclosures. Designed specifically to deliver exceptional clarity in casino gaming cabinets, the 70289 offers a wide frequency range of 200Hz to 20kHz, and an exceptionally high sensitivity for its size at 88.5 dB.



GENERAL SPECIFICATIONS

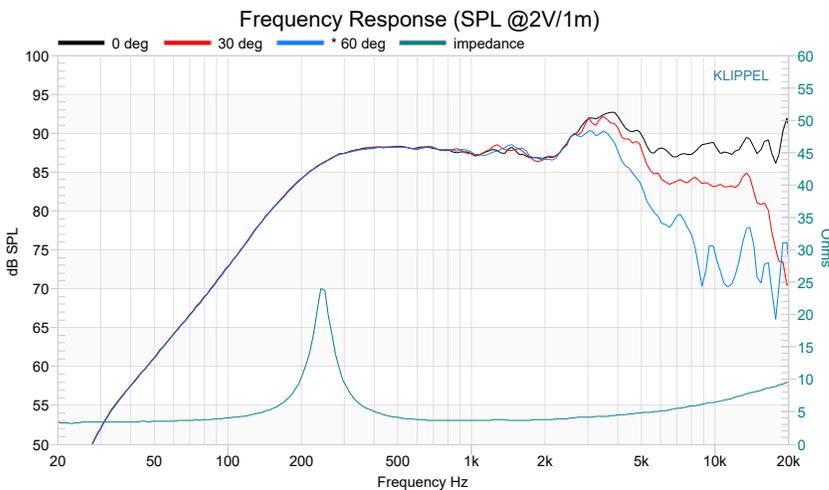
Nominal Diameter (in & mm)	2.25" (57 mm)
Nominal Impedance (Z) (Ω)	4
Rated Power AES (W)	3
Peak Power (W)	6
Magnet Weight (oz)	4.26
Voice Coil Diameter (in & mm)	0.5" (14 mm)
SPL (dB) 1W @ 1M	88.5
Frequency Range (Hz)	200Hz - 20kHz

SMALL SIGNAL PARAMETERS

Fs (Hz)	235
Re (Ω)	3.33
Le (mH)	0.065
Mms (g)	0.96
Rms (kg/s)	0.23
Cms (mm/N)	0.472
Bl (TM)	2.31
Qms	6.24
Qes	0.891
Qts	0.78
Vas (Liters)	0.257
Sd (cm ²)	19.63
Xmax (mm) Klippel verified @82% Bl	1.2

MATERIAL DESCRIPTIONS

Basket	Stamped Steel
Magnet Material	Ferrite
Cone Material	Paper+Cloth
Cone Edge	Cloth
Dust Cap	Plastic
Voice Coil	Copper



ABOUT MISCO

Founded in 1949, Minneapolis Speaker Company (MISCO) stands as a second-generation pioneer in manufacturing speakers and audio systems for OEM customers across the globe. With ISO 9001 certified facilities in both Minnesota and Asia, MISCO delivers cutting-edge audio solutions for diverse applications, ranging from casino gaming and mass transit to medical, military, commercial sound, professional audio, and even aerospace. Notably, MISCO's speakers are deployed on the Orion spacecraft as part of NASA's Artemis program. Backed by USA-based engineering, world-class manufacturing, a rich legacy, and forward-looking leadership, MISCO stands uniquely positioned to comprehensively support our valued customers worldwide.

