



Introducing the MCS 625E Marine Ceiling Speaker, designed to deliver exceptional audio quality in marine environments. With a rated power of 25W and a maximum power of 45W, this speaker ensures robust sound performance. Its wide frequency response range from 95Hz to 20kHz and a sound pressure level of 90dB±3dB guarantee clear and powerful audio output. The speaker's durable construction, including a dia. 80 X 32 X 12 Y30 magnet and 760g total weight, ensures reliable performance in demanding conditions. The MCS 625E is built to withstand harsh marine conditions with features like magnetic leak protection, heat resistance, humidity resistance, and cold resistance, making it an ideal choice for any marine audio installation.

- Magnetic leak protection for minimal interference
- Heat resistant (55°C ± 2°C, 16 hours) for durability in high temperatures
- Humidity resistant (40°C ± 2°C, 90-95% R.H., 48 hours) for marine environments
- Cold resistant (-20°C ± 1°C, 16 hours) for extreme weather conditions
- Drop tested (100cm ± 2cm at 60° ± 5°) for impact resistance
- Fatigue tested at maximum rated power for 8 hours for long-term reliability
- Load tested with 100-hour pink noise signal for endurance in continuous operation



MCS 625E

Technical Specification

	MCS 625E	Test Condition
Rated Power	25W	Pink at 20°C, 1013 millibar
Rated Max. Power	45W	Pink at 20°C, 1013 millibar
Rated Impedance	80±5%	CLIO-Impedance Analysis
Resonance Freq.	95Hz±10%	CLIO-Impedance Analysis
Freq. Response	95-20kHz	CLIO-Frequency Response
Sound Pressure Level	90dB±3dB	CLIO: At 1/W/M
Harmonic Distortion	<=5%	At 90 dB
Pure Tone	OK	Sine single 9V, 50-20000Hz
Magnetic Leak	2 gauss	
Magnet	dia. 80 X 32 X 12 Y30	
V.C. Nominal Dia.	Dia. 20.4 X 28 X 0.14 x 6.8 ohm PSV	
Total Weight	760g (27 OZ)	
Polarity	5.2 mm is "anode", 2.8 mm is "cathode"	
Drop Test	100cm ± 2cm 60°±5°	
Heat Test	At 55°C ± 2°C, 16 hours	
Humidity Test	At 40°C ± 2°C, 90-95% R.H. 48 hours	
Cold Resistance	At -20 ± 1°C, 16 hours	
Load Test	Rated noise power with pink noise signal 100h: OK	
Dimension (mm)	Dia. 190 (6.5 inch)	
Install the Bore	Dia. 164 x (Dia. 4.5 x 4)	
Fatigue Test	Use pink at rated maximum power for eight hours: OK	

Frequency Response

