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The MISCO LS-450/B pressure-proof submarine speaker was designed for use by the U.S. Navy and created to meet or exceed Military Specifications: MIL-L-24296A. Its audio output signal provides even response between 800 Hz - 2000 Hz (+/- 3 dB). It has a broad environmental tolerances and it may be used in tropical to frozen climates, both near freshwater or saltwater. It features brass and highly corrosion-resistant Monel\* plated steel construction.

- 10 Watts, program power with 96 SPL
- Over two pounds of High Energy Plus (HE+) Alnico Magnets
- National Stock # 5965-00583-4106
- Built per MIL-L-24296A
- Highly corrosion-resistant brass & Monel steel body
- Phenolic-impregnated cloth cone, surround, & cap
- Copper-wound Lamitex voice coil
- Robust #8 screw terminals

\*In order to provide long-term service, the steel body structure is plated and painted with Monel, ensuring high corrosion resistance. Monel shows high strength and excellent corrosion resistance in both acidic and alkaline environments and is especially suitable for marine conditions. Monel typical applications are in marine engineering, chemical and hydrocarbon processing, heat exchangers, valves and pumps, and even musical instruments. Monel is used as the material for valve pistons or rotors in some higher quality musical instruments such as trumpets, tubas, and French horns.



### Primary Specifications

<b>Size, Nominal (inch &amp; mm)</b>	6.125" (156 mm)
<b>Rated Impedance (<math>\Omega</math>)</b>	16
<b>Sensitivity (dB SPL) <sup>1</sup></b>	96
<b>Frequency Range (Hz)</b>	600 - 2, 800
<b>Resonant Frequency (Fs) (Hz)</b>	800

### ID Desc. Measurements Tolerance

ID	Desc.	Measurements	Tolerance
OD	Outside Diam.	6.125	+/-0.20
CD	Cutout Diam.		+/-0.20
MG	Magnet Diam.		+/-0.20
HD	Hole Diam.	0.56	+/-0.20
MD	Mounting Diam.	2.37	+/-0.20
ID	Internal Depth		+/-0.20
FT	Flange Thickness	0.5	+/-0.20
NW	Net Weight	5910.0	+/-0.50

### More Specifications

<b>Application</b>	Military, Outdoor , Signal / Alarm Systems, Voice Communications
<b>RoHS Compliant</b>	No
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	7.2
<b>Program Power (W)</b>	10

### Small Signal Parameters

<b>Nominal Impedance (Z) (<math>\Omega</math>)</b>	16
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	7.2
<b>Voice Coil Inductance (Le) (mH)</b>	0
<b>Resonant Frequency (Fs) (Hz)</b>	800
<b>Total Q Factor (Qts)</b>	0.83

### Material Descriptions

<b>Basket Type</b>	Corrosion Resistant, Brass & Monel Plated & Painted Steel
<b>Terminal Size (mm)</b>	#8 Screw terminals
<b>Voice Coil Diameter (mm)</b>	1.25" (32mm)
<b>Voice Coil Wire Material</b>	Copper
<b>Voice Coil Former Material</b>	Lamitex
<b>Magnet Material</b>	Ferrite
<b>Magnet Weight (gm)</b>	35 ounces (992.2) grams
<b>Cone Body Material</b>	Phenolic Impregnated Cloth
<b>Cone Surround Material</b>	Phenolic Impregnated Cloth
<b>Dust Cap Material</b>	Phenolic Impregnated Cloth
<b>Net Weight (kg)</b>	5.9



