



APPLICATIONS

The SB-101/1 is a VHF shipboard antenna capable of transmitting upto 800 watts power between 30-88 MHz. The antenna provides vertically polarized, omnidirectional coverage over the specified frequency range. The antenna is enclosed in a fiberglass housing, making it suitable for use in the extreme marine shipboard environment.

FEATURES

The **SB-101/1** VHF shipboard antenna will withstand the shipboard marine environment. The lightweight element construction is secured inside the housing and damps all vibration frequencies specified in MIL-STD-167, Type I vibration. The SB-101 withstands the shock loads as specified in MIL-S-901C for Grade A shock. Military designation is AS-3226.

OMNIDIRECTIONAL

VERTICALLY POLARIZED

EXTREME MARINE ENVIRONMENT

SPECIFICATIONS

FREQUENCY RANGE	30-88 MHz	Dust (fine sand)	Test MIL-STD-810 Method 510.2
POLARIZATION	Vertical	Shock	MIL-S-901C, Grade A, Class I
IMPEDANCE	50 Ohms unbalanced	Vibration	MIL-STD-167-1, Type I
VSWR	3.5:1 maximum	Humidity	0 to 100%
HORIZON GAIN	0 dBi	Wind	100 knots
AZIMUTH COVERAGE	Omnidirectional	Ice	4.5 psf on all exposed surfaces
ELEVATION COVERAGE	Sinusoidal pattern with max at horizon	Salt Fog (Spray)	Withstands 100 hrs test 144 inches
HALF-POWER BEAMWIDTH	70°	Housing Diameter	4 inches
POWER HANDLING CAPACITY	800 W Avg	Base	8.0 inches dia.
INPUT CONNECTOR	Type "N"	Mounting	½-inch bolts on a 6.75 inch bolt circle
TEMPERATURE RANGE		Weight	35 lbs
Operating	-54°C to +65°		
Non-Operating	-62°C to +71°C		