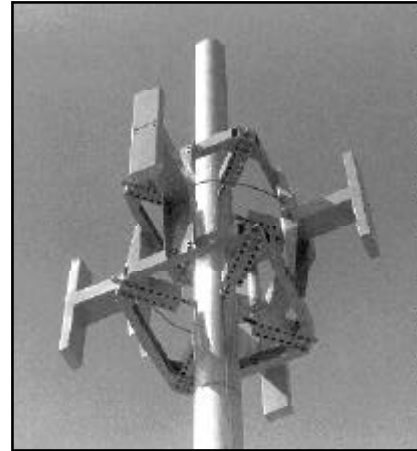


SB-201/1

- OMNIDIRECTIONAL
- VERTICALLY POLARIZED
- SHIP MAST MOUNT



Applications

The SB-201/1 is a UHF Shipboard Antenna for use with ship to air and ship to shore communication systems, operating in the 225 to 400 MHz frequency range. The antenna is configured for mounting around a ship's mast and it provides a vertically polarized, omnidirectional azimuth radiation pattern. The antenna is easily mountable on ship masts ranging in diameter from 4 to 15 inches without the use of special adapters. The elements are made of aluminum and supported by an aluminum framework which mounts around the mast.

Features

The antenna lightweight design is achieved by the compact hybrid feed network. Hybrids and baluns are utilized to feed the four (4) radiating folded dipole elements which provides a DC ground,

minimizing the effects of lightning and eliminates static charges. The all aluminum sealed element and support structure provides for a lightweight, environmentally protected antenna assembly. The antenna mounting frame structure is provided with a gross mast size adjustment and a fine mast size adjustment, allowing it to be mounted on any size mast from 4 to 15 inches in diameter. Military designation is AS-1735.



SPECIFICATIONS

Frequency	225-400 MHz	Service Conditions	MIL-E-16400 for Class 2 equipment
VSWR	1.8:1	Operating Temperature	-60°F to + 160°F
Impedance	50 Ohms unbalanced	Shock	MIL-S-901C for Grade A shock
Power	1kW Avg	Vibration	MIL-STD-167, Type I
Polarization	Vertical	Weight	50 lbs includes elements and mast mounting frame
Gain, Typical	2 dBi	Size	21" high by 36" diameter
Horizontal Pattern	Omni ± 2 dB		
Input Connector	Type LC/HN		