

SB-1016/B Broadband Vertical Dipole Antenna

SB-1016 VHF Broadband Antenna

Features

- **Lightweight**
- **High strength**
- **Low cost**
- **Matches wide range of communications systems**

Detailed Description

The SB-1016/B dipole antenna is a vertically polarized broadband antenna covering the frequency range of 30 MHz to 108 MHz.

This light weight antenna can be used in the ship's transmitting/ receiving mode.

Name: *Broadband Vertical Dipole Antenna*

Category: *VHF Antennas*

Diagram(s): *Dimensions and Mounting Details*

Photo(s): *SB-1016*

Height: *111 in (281.9 cm) (repeated below)*

Features: * *Lightweight*
* *High strength*
* *Low cost*
* *Matches wide range of communications*

Description: *the SB-1016/B dipole antenna is a vertically polarized broadband antenna covering the frequency range of 30 MHz to 108 MHz. This lightweight antenna can be used in the ship's transmitting/receiving mode.*

Notes: *1. Not to use lead base paint to touch-up or repaint antenna. Use only epoxy Base paint*
2. Specifications subject to change without notice.



Reference Data

Electrical Characteristics

<i>Frequency Range:</i>	<i>30 MHz to 108 MHz</i>
<i>Polarization:</i>	<i>Vertical</i>
<i>Power Rating:</i>	<i>500 Watts average</i>
<i>Impedance:</i>	<i>50 Ohms</i>
<i>VSWR:</i>	<i>2.5:1 maximum</i>
<i>Azimuth Coverage [Radiation Pattern]:</i>	<i>Omnidirectional within ± 1 db</i>
<i>Input Connection:</i>	<i>N Type receptacle</i>

Mechanical Characteristics

<i>Height / Length:</i>	<i>111 in (281.9 cm)</i>
<i>Weight:</i>	<i>35 \pm 1 lbs. (15.9 kg \pm .45 kg)</i>
<i>Centre of Gravity:</i>	<i>12.25 in (31.1 cm)</i>
<i>Radome Diameter:</i>	<i>5.5 in (13.97 cm)</i>
<i>Radome Material:</i>	<i>Epoxy Fibreglass</i>
<i>Base Diameter:</i>	<i>8.5 in (21.59 cm)</i>
<i>Base Flange:</i>	<i>Aluminium</i>
<i>Finish:</i>	<i>Gray epoxy polyamide</i>

Environmental Characteristics

<i>Operating Temperature:</i>	<i>-60°F to 150°F (-55°C to 65°C)</i>
<i>Humidity:</i>	<i>MIL-STD-810E, Procedure III</i>
<i>Vibration:</i>	<i>MIL-STD-167-1 Type 1</i>
<i>Shock:</i>	<i>MIL-S-901-C Grade A</i>

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