

## 118-520 MHz SHIPBOARD ANTENNA

- Designed for shipboard line of sight coverage
- Rugged, shipboard qualified design
- VHF/UHF Broad band coverage

### Model : SB-108

Part Number: 1500-0657-201

The SB-108 VHF/UHF antenna was designed for line of sight voice or data communication circuits. The antenna is vertically polarized and has a frequency range of 118-520 MHz with a 200 watt average 500 watt peak power capacity. The antenna is designed with a single antenna element to minimize the amount of antennas and coax runs installed on a ship. The rugged design of the SB-108 will provide many years of excellent service in extreme conditions commonly found in shipboard conditions.



#### ELECTRICAL SPECIFICATIONS

SPECS	PERFORMANCE
Frequency Range	118-520 MHz
VSWR (max)	2.0:1 136-174, 2.5:1 225-520 MHz (50 Ω)
Gain	0 dBi (minimum)
Polarization	Vertical
Vertical -3dB Beamwidth	70° (minimum)
Horizontal -3dB Beamwidth	360°
Azimuth Ripple	+/- 0.5 dB
Power Input	200 Watts (ave), 500 (PEP)

#### MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

SPECS	PERFORMANCE
Connector	N Female
Mounting	1/4" bolts on a 3.88" bolt circle
Radome	Synthetic Polymer
Radome Diameter	8" (203.2 mm) O.D.
Base Diameter	4.5" (114.3 mm) O.D.
Color	Shipboard Grey (standard)
Length	~40" (1016 mm)
Weight	~15 lbs (6.8 kg)
Wind Survival	100 MPH (162 km) with 1" radial ice
Lightning Protection	Direct Ground
Shock	MIL-S-901C, Grade A, Class 1
Vibration	MIL-STD_167-1, Type 1



101 S. E. 25th Avenue  
 Mineral Wells, TX 76067  
 800.553.1507 (USA ONLY)  
 p: 940.325.3301  
 f: 940.325.0716

e: sales@antennaproducts.com

[www.antennaproducts.com](http://www.antennaproducts.com)

Pursuant to APC's policy of continuous product improvement, specifications are subject to change without notice or obligation.

*Communication Solutions For A Wireless World*

