World's Leading Manufacturer Of Fibreglass Whip Antennas

SPECIALISTS FOR VERY HIGH FREQUENCY

AS-2809/SRC BROADBAND VERTICAL DIPOLE ANTENNA

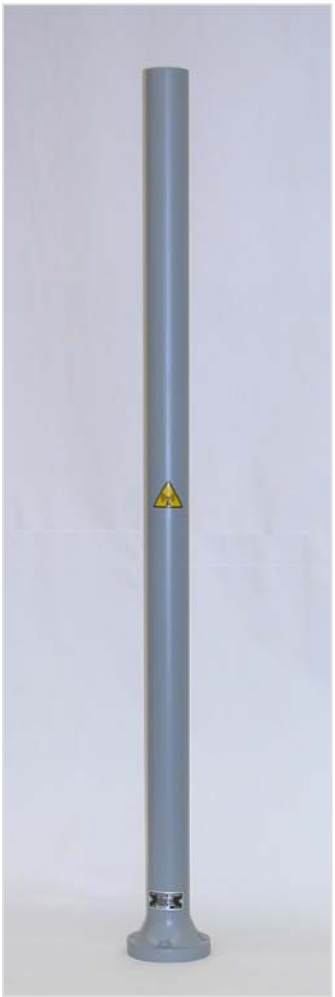
NSN 5985-01-141-5798

VALCOM'S AS-2809/SRC VHF DIPOLE ANTENNA IS A RUGGED SELF SUPPORTING VERTICALLY POLARIZED BROADBAND ANTENNA COVERING THE FREQUENCY RANGE OF 115-162 MHz. THIS GENERAL PURPOSE ANTENNA CAN BE USED IN THE TRANSMIT OR RECEIVE MODE.

THE ANTENNA IS DESIGNED FOR USE UNDER SEVERE ENVIRONMENTAL CONDITIONS ENCOUNTERED ABOARD NAVAL SHIPS. THE ANTENNA RADIATING ELEMENTS ARE HOUSED IN A SINGLE PIECE FIBREGLASS RADOME WITH AN INTEGRAL FIBREGLASS MOUNTING FLANGE.

THE ANTENNA CAN HANDLE 200 WATTS PEAK ENVELOPE POWER AND 100 WATTS AVERAGE RF POWER OVER THE ENTIRE FREQUENCY RANGE. IT HAS A VSWR OF LESS THAN 2.0:1 OVER THE 115-162 MHz BAND. THE RF INPUT CONNECTOR IS A N-TYPE RECEPTACLE LOCATED ON THE BOTTOM OF THE BASE.

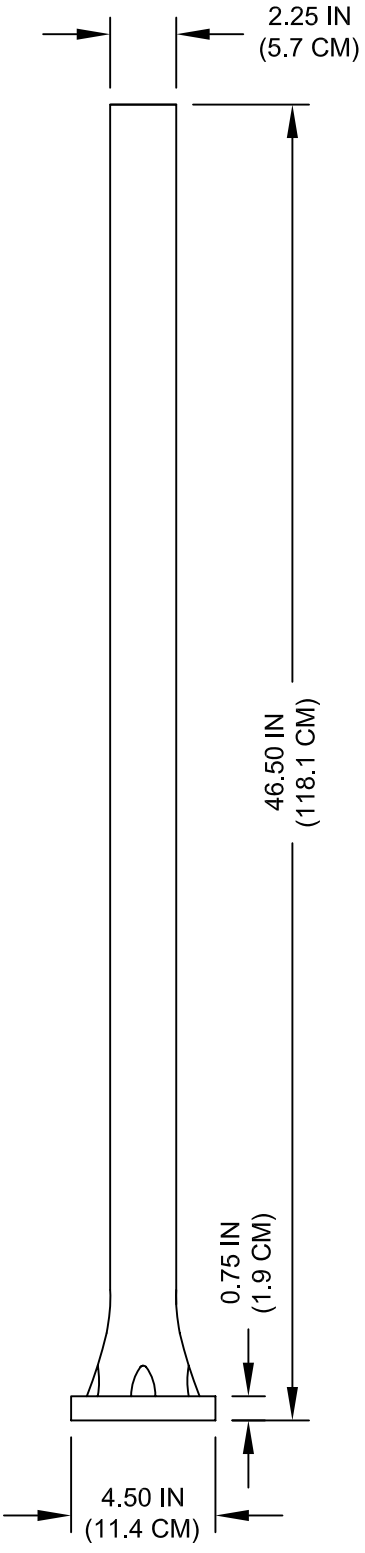
THE ANTENNA MEETS THE REQUIREMENTS OF MIL-S-901D FOR SHOCK, MIL-STD-167 FOR VIBRATION AND ALL THE SERVICE CONDTIONS OF MIL-E-16400.



FEATURES:

- BROADBAND
- LIGHTWEIGHT AND RUGGED
- SHIPBOARD OR SHORE INSTALLATION
- RECEIVING OR TRANSMITTING
- MIL TESTED

AS-2809/SRC
QUICK REFERENCE DATA



ELECTRICAL CHARACTERISTICS

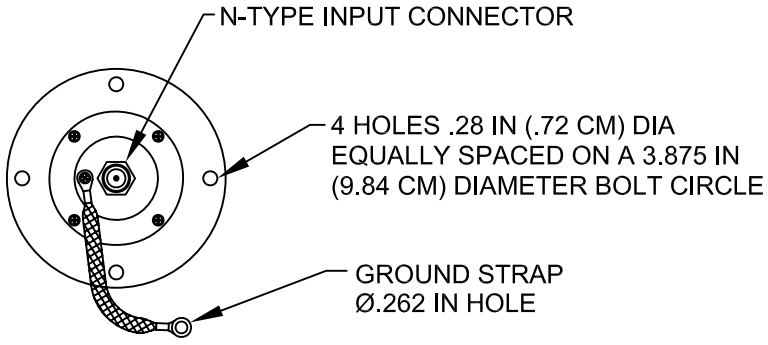
FREQUENCY RANGE	115 MHz TO 162 MHz
POLARIZATION	VERTICAL
POWER RATING	100 WATTS AVERAGE (200 W PEAK)
AZIMUTH PATTERN	OMNIDIRECTIONAL
ELEVATION PATTERN	FIGURE-EIGHT
INPUT IMPEDANCE	50 OHMS (NOM)
VSWR	2.0:1 MAXIMUM
INPUT CONNECTION	N-TYPE FEMALE

MECHANICAL CHARACTERISTICS

ANTENNA OVERALL LENGTH	46.50 IN (118.1 CM)
ANTENNA WEIGHT	6 LBS (2.7 KG)
OPERATING TEMPERATURE	-55°C TO +65°C
RADIATING ELEMENT	ALUMINUM
RADOME AND BASE MATERIAL	EPOXY FIBREGLASS
FINISH	HAZE GRAY SILICONE ALKYD ENAMEL
VIBRATION	MIL-STD-167, TYPE I
SHOCK	MIL-S-901D, GRADE A
HUMIDITY	MIL-STD-810E, PROCEDURE III

NOTES:

1. DO NOT USE LEAD BASE PAINT TO TOUCH-UP OR REPAINT ANTENNA



BOTTOM VIEW

Valcom

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