

World's Leading Manufacturer Of Fibreglass Whip Antennas



SPECIALISTS FOR HIGH FREQUENCY

HF Vertical Dipole Antenna VAS-2030

THE VAS-2030 HF DIPOLE ANTENNA IS A RUGGED, SELF-SUPPORTING VERTICALLY POLARIZED BROADBAND ANTENNA COVERING THE FREQUENCY RANGE OF 20 TO 30 MHz. THIS GENERAL PURPOSE ANTENNA CAN BE USED IN THE TRANSMIT OR RECEIVE MODE.

THE ANTENNA IS DESIGNED TO WITHSTAND THE 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 1800 WATTS PEAK ENVELOPE POWER AND 1000 WATTS AVERAGE RF POWER OVER THE ENTIRE FREQUENCY RANGE. IT HAS A VSWR OF LESS THAN 2.5:1 OVER THE 20-30 MHz BAND.

THE ANTENNA HAS BEEN QUALIFIED TO MIL-S-901C FOR SHOCK, MIL-STD-167 TYPE 1 VIBRATION AND ALL THE SERVICE CONDITIONS OF MIL-E-16400.

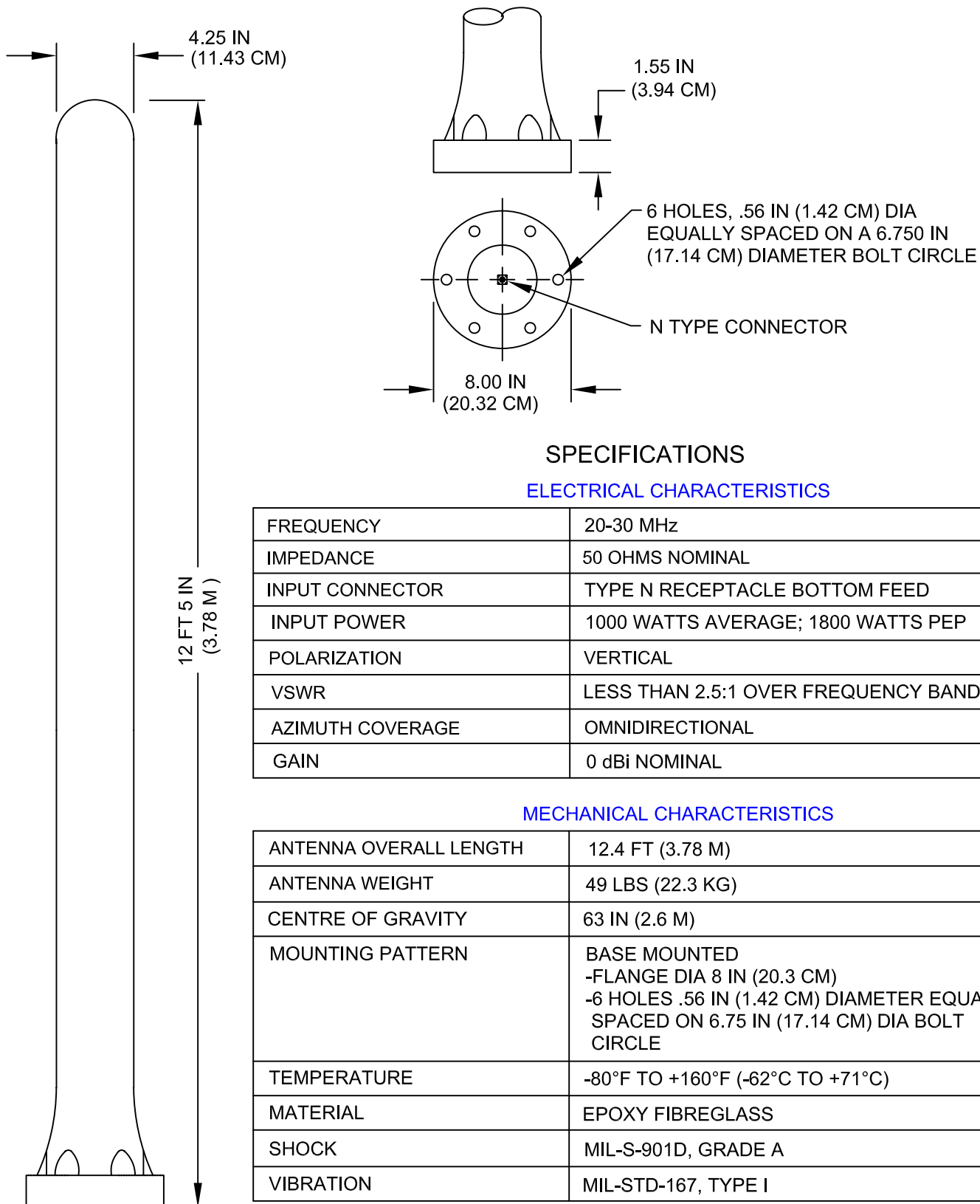
FEATURES:

- **BROADBAND**
- **LIGHTWEIGHT**
- **SHIPBOARD OR SHORE INSTALLATION**
- **RECEIVING OR TRANSMITTING**
- **MEETS MIL-A-29522(EC)**
- **TESTED TO MIL-E-16400 FOR SHOCK/VIBRATION AND ENVIRONMENTAL CONDITIONS**



VAS-2030

QUICK REFERENCE DATA



SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

FREQUENCY	20-30 MHz
IMPEDANCE	50 OHMS NOMINAL
INPUT CONNECTOR	TYPE N RECEPTACLE BOTTOM FEED
INPUT POWER	1000 WATTS AVERAGE; 1800 WATTS PEP
POLARIZATION	VERTICAL
VSWR	LESS THAN 2.5:1 OVER FREQUENCY BAND
AZIMUTH COVERAGE	OMNIDIRECTIONAL
GAIN	0 dBi NOMINAL

MECHANICAL CHARACTERISTICS

ANTENNA OVERALL LENGTH	12.4 FT (3.78 M)
ANTENNA WEIGHT	49 LBS (22.3 KG)
CENTRE OF GRAVITY	63 IN (2.6 M)
MOUNTING PATTERN	BASE MOUNTED -FLANGE DIA 8 IN (20.3 CM) -6 HOLES .56 IN (1.42 CM) DIAMETER EQUALLY SPACED ON 6.75 IN (17.14 CM) DIA BOLT CIRCLE
TEMPERATURE	-80°F TO +160°F (-62°C TO +71°C)
MATERIAL	EPOXY FIBREGLASS
SHOCK	MIL-S-901D, GRADE A
VIBRATION	MIL-STD-167, TYPE I

