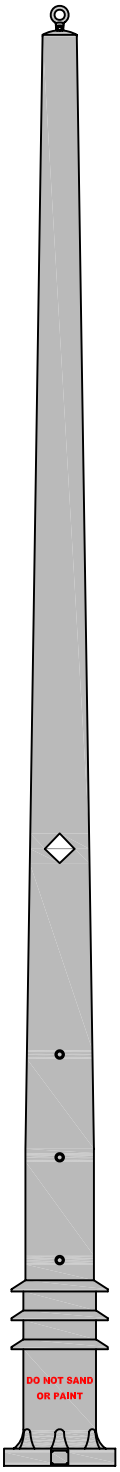
World's Leading Manufacturer Of Fibreglass Whip Antennas

Valcom

SPECIALISTS FOR HIGH FREQUENCY

14Ft Aluminum Whip Antenna AS-3771B/U

NSN 5985-01-383-8572



THE AS-3771B/U 14 FOOT ALUMINUM WHIP TRANSMITTING/ RECEIVING ANTENNA IS DESIGNED AND BUILT TO MEET THE US NAVY REQUIREMENTS FOR SHIPBOARD ANTENNAS. THE ANTENNA MEETS MIL-S-901 GRADE A FOR SHOCK; MIL-STD-167 FOR VIBRATION.

THE ANTENNA IS USED WITH GENERAL HF COMMUNICATIONS EQUIPMENT. THE ANTENNA PROVIDES VERTICALLY POLARIZED, OMNIDIRECTIONAL AZIMUTH RADIATION FROM 4 TO 30 MHz WHEN THE ANTENNA IS OPERATED WITH A SUITABLE TUNING SYSTEM. IT MAY BE EMPLOYED FOR GENERAL PURPOSE BROADBAND COMMUNICATIONS RECEPTION FROM VLF TO 30 MHz.

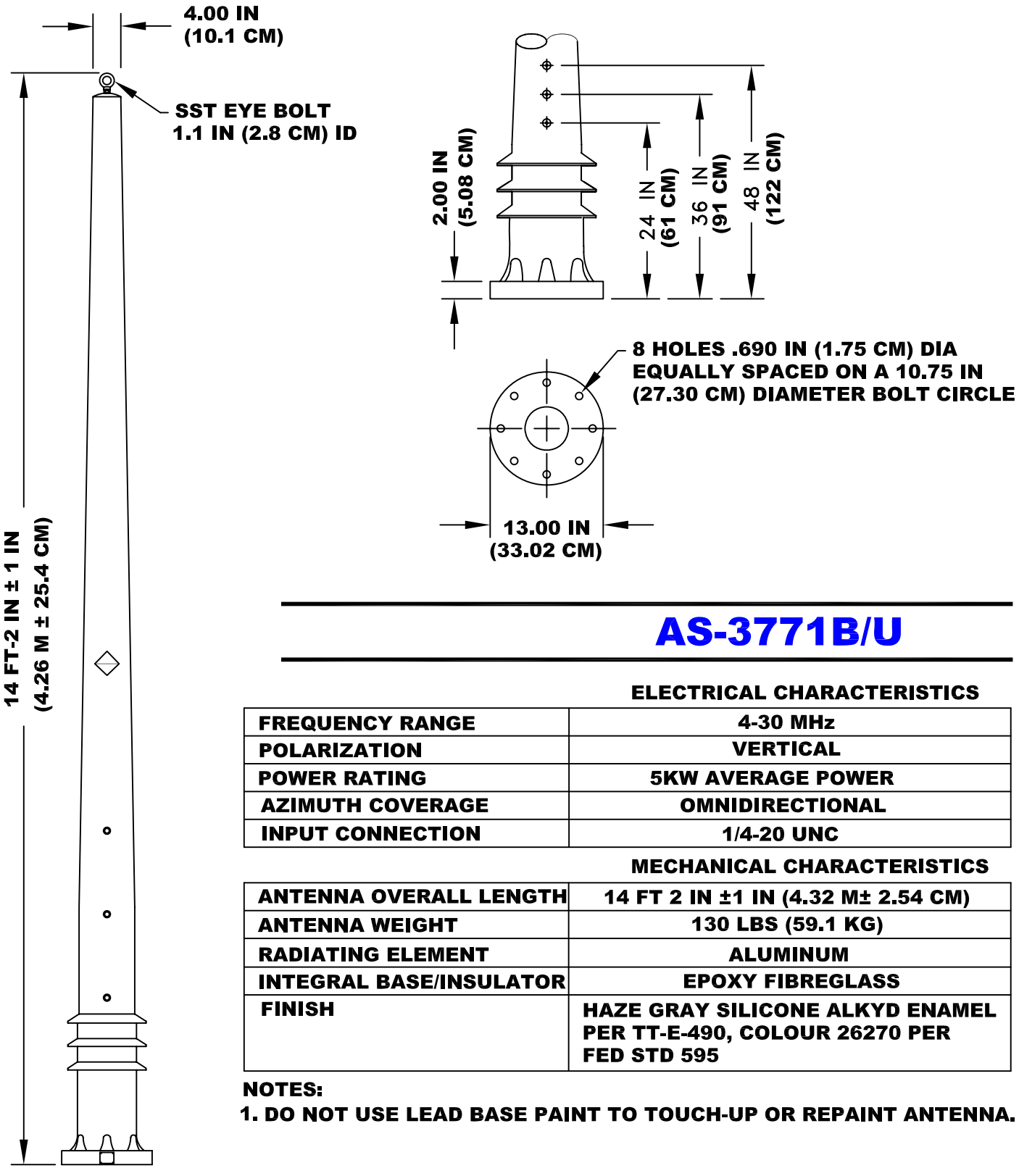
THE ANTENNA CONSISTS OF A TAPERED ALUMINUM RADIATING ELEMENT AND AN INTEGRAL FIBREGLASS INSULATOR AND BASE MOUNTING FLANGE. IT IS A SINGLE PIECE ANTENNA WHICH HAS THREE SIDE FEED POINTS. THE INTEGRAL INSULATOR AND BASE MOUNTING FLANGE IS BONDED TO THE BOTTOM OF THE RADIATING ELEMENT. A DRIP SHIELD IS PROVIDED JUST BELOW THE LOWER FEED POINT.

THE MECHANICAL STRENGTH OF THE INTEGRAL INSULATOR AND MOUNTING FLANGE IS ACHIEVED WITH A PATENTED PROCESS USING HIGH STRENGTH FILAMENT FIBREGLASS AND EPOXY RESIN.

FEATURES:

- POWER HANDLING TO 5KW
- MINIMUM MAINTENANCE
- HIGH RELIABILITY
- SHIPBOARD APPLICATIONS
- BROADBAND
- WEATHERPROOF

AS-3771B/U
QUICK REFERENCE DATA



AS-3771B/U

ELECTRICAL CHARACTERISTICS

FREQUENCY RANGE	4-30 MHz
POLARIZATION	VERTICAL
POWER RATING	5KW AVERAGE POWER
AZIMUTH COVERAGE	OMNIDIRECTIONAL
INPUT CONNECTION	1/4-20 UNC

MECHANICAL CHARACTERISTICS

ANTENNA OVERALL LENGTH	14 FT 2 IN ±1 IN (4.32 M± 2.54 CM)
ANTENNA WEIGHT	130 LBS (59.1 KG)
RADIATING ELEMENT	ALUMINUM
INTEGRAL BASE/INSULATOR	EPOXY FIBREGLASS
FINISH	HAZE GRAY SILICONE ALKYD ENAMEL PER TT-E-490, COLOUR 26270 PER FED STD 595

NOTES:

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

P.O. BOX 603 GUELPH, ONTARIO, CANADA, N1H 6L3
TEL 519-824-3220 FAX 519-824-3411
INTERNET: www.valcom-guelph.com EMAIL: enquiries@valcom-guelph.com