

Application

The AV15 is a high quality dipole antenna designed for the marine VHF radio telephone service and may be installed on all kinds of vessels, from pleasure crafts to ocean liners. It does not require a ground plane.

Electrical specification

Frequency range	155-162 MHz, VSWR < 1.5 : 1 144-165 MHz, VSWR < 2 : 1
Nominal impedance	50 ohm
Power rating	100 W
Gain	2 dbi
Pattern	Horizontal plane: Omnidirectional Vertical plane: See page 2
Polarization	Vertical
Connector	UHF female or N Type female
DC-grounded	Yes

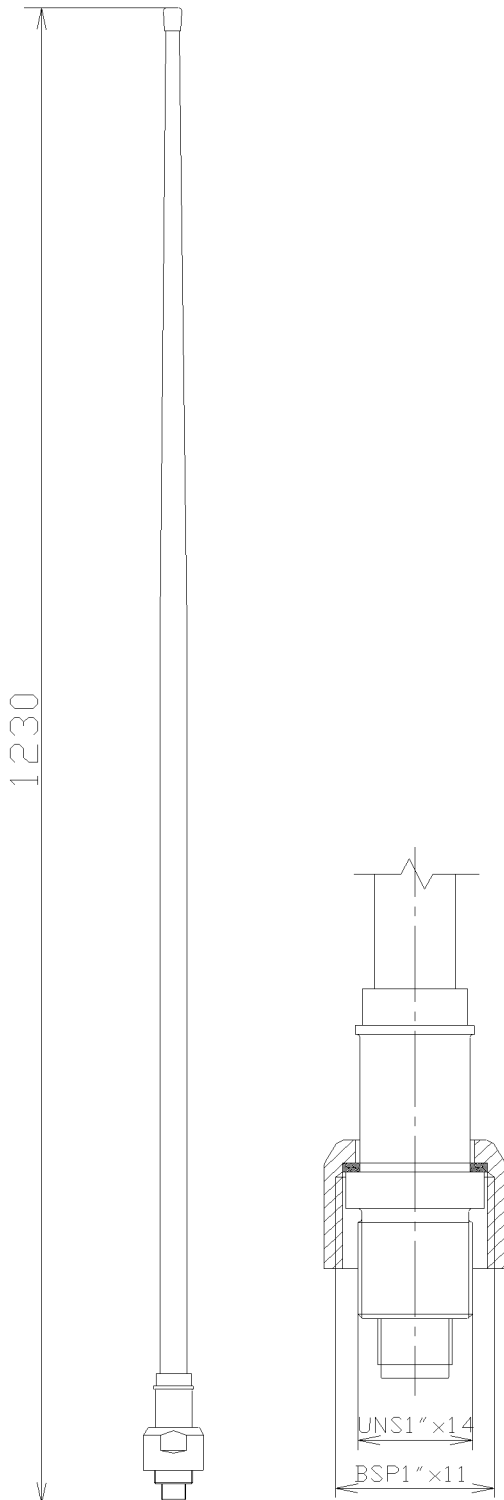
Mechanical specifications

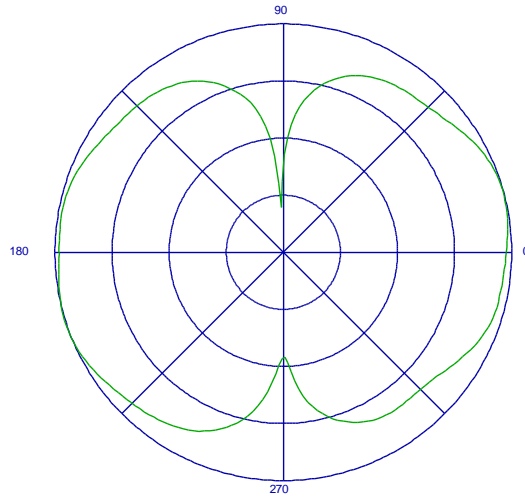
Design	Centerfed coaxial dipole. Radiating elements completely enclosed in polyurethane foam within a fiberglass tube.
Height	1.23m
Weight	0.5 kg
Wind rating	55 m/s = 125 mph
Finish	Polyurethane lacquer, white
Temperature range	-55 °C, +55 °C; -67 °F, +131°F
Water Proofing	IP67

Mounting

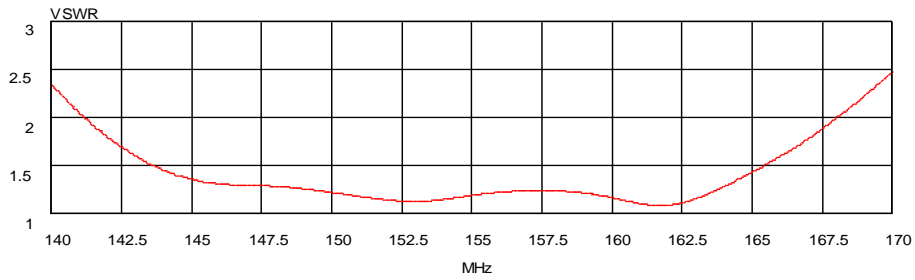
The AV15 is fitted with UNS1"x14 male ferrules and BSP1" x 11 nut. Adapter for UNS1"x14 female ferrules is available (see page 2). Can be used with all standard mounting accessories. Instead of using the adapter, the antenna can be mounted at a pipe with BSP1" x 11 male threads. Suitable cable: RG58, RG213 or similar.

BSP : British Standard Pipe
UNS: Unified Special





Vertical radiation diagram
 f= 160MHz
 40dB dynamic range, 10 dB/div



VSWR

Option

Adapter for 4 way bracket.

