

Application

The AV51P-4 is a high quality dipole antenna designed for the maritime VHF radio telephone service. It is designed for use on pleasure craft, but the high quality means it may be installed on all kinds of vessels. It does not require a ground plane.

Electrical specification

Frequency range	156-162 MHz, VSWR < 1.5 : 1 145-165 MHz, VSWR < 2 : 1
Nominal impedance	50 ohm
Power rating	100 W
Gain	3 dB
Pattern	Horizontal plane: Omnidirectional Vertical plane: See reverse side
Polarization	Vertical
Connector	UHF female or N Type Female
DC-grounded	Yes

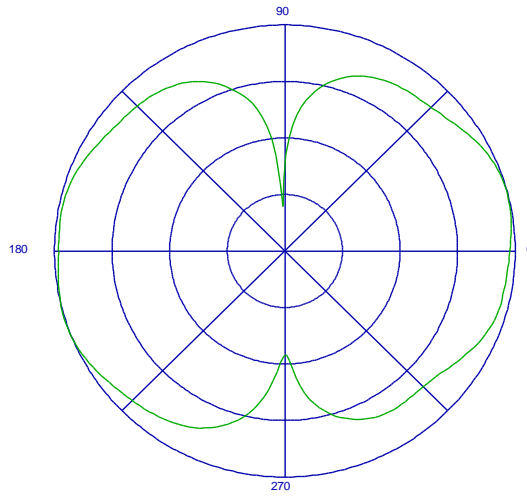
Mechanical specifications

Design	Center fed 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, +71 °C; -67 °F, +160°F

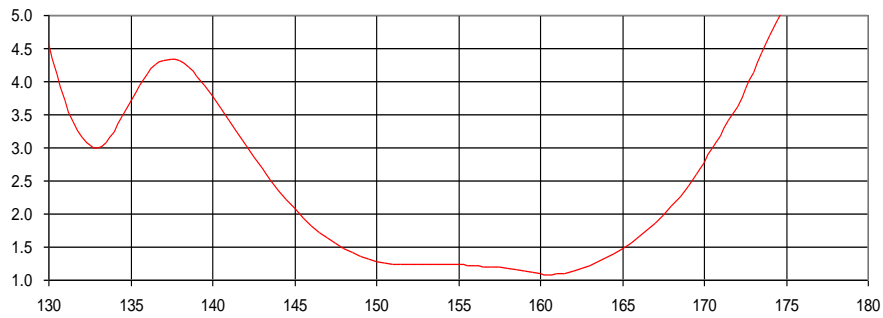
Mounting

The AV51P4 is fitted with UNS1"x14 male ferrules and BSP1" x 11 nut. Adapter for UNS1"x14 female ferrules is available (see reverse page). 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.

