

Application

The AV53BIS3 is an end fed dipole antenna. It is designed for use on-board sailboats.

Electrical specification

Frequency range	156-162 MHz, VSWR < 2 : 1
Nominal impedance	50 ohm
Power rating	50 W
Gain	3 dB
Pattern	Horizontal plane: Omnidirectional Vertical plane: As a standard dipole
Polarisation	Vertical
Connector	BNC female
DC-grounded	Yes

Mechanical specification

Design	End fed dipole. The whip is made from stainless steel, and the base is made from chromated brass. The insulator is made from UV resistant POM.
Height	3.3' (1.0 m.)
Weight	0.2 kg
Wind rating	55 m/s = 125 mph
Finish	Polyurethane lacquer, white
Temperature range	-55 °C, +71 °C; -67 °F, +160 °F

Mounting

The AV53BIS3 is fitted with UNS 1" x 14 female thread.

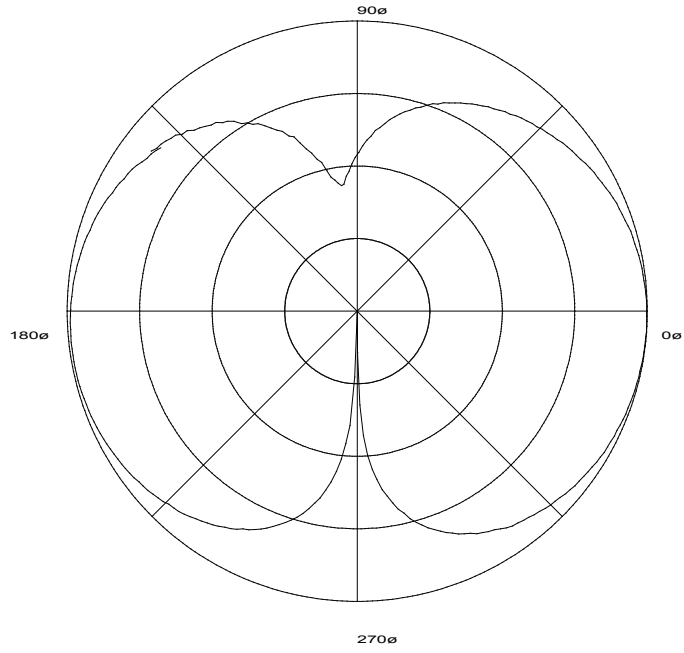
It can be used with all standard mounting accessories.

Integrated BNC female coaxial connector.

All BI versions come with a tool to mount the BNC male coaxial connector inside the stainless steel ferrule.

Brackets and coax cable are not included.

AV-C adapter: To convert 4ft and 8ft –BI version antennas to a side feed cable version (to compensate for all C-version), an optional AV-C adapter is required .



Radiation diagram.