



Application

The AV6K is a rugged high quality dipole antenna designed for the marine VHF radio telephone service. It is a high quality antenna with a durable construction and a beautiful finish for installation on all kinds of vessels

Electrical specifications

Frequency range	156-162 MHz, VSWR < 1.5:1 153-170 MHz, VSWR < 2:1
Nominal impedance	50 ohm
Power rating	200 W
Gain	2 dbi
Pattern	Horizontal plane: Omni-directional Vertical plane: Typical dipole
Polarization	Vertical
Connector	AV6K N female AV6K-U UHF Female
DC-grounded	Yes

Mechanical specifications

Design	Centre-fed coaxial dipole. Radiating elements completely enclosed in polyurethane foam within a fiberglass tube. Hot dip galvanized mounting hardware.
Height	1.4 m
Weight	1.3 kg, ex. clamps, 2.2 kg with clamps
Wind rating	55 m/s = 125 mph
Moment of flexure	3.0 kpm at 55 m/s
Finish	Polyurethane lacquer, white
Temperature range	-55 °C, +55 °C; -67 °F, +131 °F
Water Proofing	IP67

Mounting

The AV6K may be mounted to two welded brackets or clamped onto a mast or post. Clamps of type ATC are included. Connector is protected by a plastic tube with stuffing nut.

Suitable cable: RG8, RG213 or similar.