



Dimensions in mm.

Application

The AV19 is a centre-fed coaxial half-wave dipole for the aeronautical communication band 118-136 MHz. The dipole element is embedded in polyurethane foam and enclosed in a fibreglass reinforced tube. A special construction gives AV19 a DC short to earth.

Electrical specifications

Frequency range	118-136 MHz
Nominal impedance	50 ohm
Power rating	100 W
Gain	2 dbi
Pattern	Omnidirectional
Polarization	Vertical
Connector	N-female
VSWR	< 2

Mechanical specifications

Design	Centre-fed coaxial dipole. Radiating elements completely enclosed in polyurethane foam within a fibreglass tube. Hot dip galvanized mounting hardware.
Height	1.7 m (5.7 ft)
Weight	3.6 kg
Wind rating	55 m/s = 200 km/h = 125 mph
Finish	Polyurethane lacquer, white
Temperature range	-55 °C, +55 °C; -67 °F, +131 °F
Water Proofing	IP67

Mounting

The AV19 may be mounted to two welded brackets or clamped on to mast or tube. Clamps of type ATC are included. Connector is protected by a plastic tube with stuffing nut.

Suitable cable: RG8, RG213 or similar.