

21-50-110 VHF/GPS Antenna 118 to 137 & L1/L2

FEATURES

- Covers VHF ATC and GPS L1/L2
- Small size only 10.5 inches height.
- 25 watts power handling in VHF
- Passive design does not require external tuning.
- Designed to MIL-STD-810

 environmental requirements for
 helicopter and subsonic transport
 aircraft.



The 21-50-110 is a combination, vertically polarized VHF communications and circularly polarized GPS antenna suitable for mounting on the upper surfaces of helicopters and sub sonic fixed wing aircraft.

Designed as a short, top loaded monopole for VHF communications and having a top mounted patch antenna for GPS, this antenna has separate decoupled feeds to allow for simultaneous operation of both systems.

Mechanical construction uses a glass reinforced thermoplastic shell with foamed-in-place internal elements. N-type (VHF) and TNC (GPS) connectors are fitted to the aluminum base plate which is DC grounded for p-static protection.

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SPECIFICATIONS

Cooper Antennas Model 21-50-110 VHF/GPS Antenna

ELECTRICAL

Frequency VHF 118-137 MHz

GPS 1565-1586 and 1217-1238 MHz

Impedance 50 Ω (nominal)

VSWR VHF ≤ 2.5:1

GPS ≤ 2.0:1

Polarization Vertical (VHF)

RH Circular (GPS)

Gain (typical) +1 dBi (VHF)

+3 dBiC @ Zenith (GPS)

Power Handling 25 Watts (VHF)

1 Watt (GPS)

Connectors N Type Female (VHF)

TNC Female (GPS)

MECHANICAL

Height 10.5 inches (267mm)

Weight 2.75 lbs (1.25Kg) max

FINISH

Urethane Lusterless Black

Other finish options are available. Please specify finish required when ordering

Note: Cooper Antennas Ltd has a policy of continuous product improvement and data herein is therefore subject to change.

Please check with Cooper Antennas Ltd that this data sheet is at latest issue before initiating contract activity.