



21-50-62-1

**Multi-Band VHF/UHF,
Communications Antenna
30 to 88MHz, 225 to 400 MHz**

FEATURES

- **Aero-dynamic design**
- **Light weight/ high strength**
- **Fully environmentally sealed**
- **Full 30-88 and 225-400 MHz LOS communications with no tuning required**
- **SINGARS & HAVEQUICK compatible.**
- **Designed to MIL-STD-810 Environmental Conditions**



The 21-50-62-1 is a rugged multifunction VHF/UHF communications antenna designed for airborne applications. A high strength vertical shell houses 30 - 88 and 225 - 400 MHz co-located linear elements with a single coaxial connector to suit a combined VHF & UHF line of sight "LOS" communications radio. Footprint is compatible with Collins 437S-1H and Chelton 12-437 series antennas. The use of top loading disc optimises the efficiency in the VHF and the antenna provides omnidirectional radiation throughout the operating frequency range.

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Cooper Antennas Ltd is Accredited to: ISO9001, AS9100, ISO14001 and MAA Approved

SPECIFICATIONS

Cooper Antennas Model 21-50-62-1 Multi-Band, Communications Antenna

ELECTRICAL

Frequency	30-88 MHz / 225-400 MHz
Gain	≥ -15.5 dBi @ 30 MHz ≥ -6.5 dBi @ 88 MHz ≥ +1.5 dBi over 225 - 400 MHz
VSWR	≤ 2.5:1
Impedance (nominal)	50 Ohms
Power	100 Watts CW
Polarization	Vertical
Antenna RF Connector	TNC Female

MECHANICAL

Height	13 inches max (330 mm)
Mounting Hole	8 x Ø 0.208 - 0.234 inches holes, counter bore Ø 0.39 inch
Weight	6.5 lbs (2.95 kg)

FINISH

Antenna	Urethane lusterless Black
Base Plate	Unpainted

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.**