



21-30-66
UHF Airborne
Antenna
380 MHz to 480 MHz

FEATURES

- **Lightweight**
- **Covers Tetra and UHF/FM Frequency Band**
- **Suitable up to 350 Knots**
- **Fully Environmentally Sealed**
- **Less than 8 inches height**
- **TNC Connector**
- **DC grounded element**



The 21-30-66 is an externally mounted airborne stub antenna operating over the UHF frequency band of 380-480 MHz

A fiberglass rod with an internal element is fitted into a glass loaded thermoplastic housing which contains foamed-in place matching circuits capable of handling up to 50 Watts power. An aluminum base plate provides ground plane connection to airframe and carries a TNC female coaxial connector.

The method of construction provides protection from severe environmental conditions including high vibration, shock and temperature variations.

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

SPECIFICATIONS

Cooper Antennas Model 21-30-66

Airborne UHF Antenna

ELECTRICAL

Frequency Range	380 to 480 MHz
Gain (typical)	≥ + 2 dBi average
VSWR	≤ 2.0:1
Impedance (nominal)	50 Ohms
Power	50 Watts
Polarization	Linear (vertical when vertically mounted)
Radiation	Nominally omni directional in azimuth plane
Antenna RF Connector	TNC Female

MECHANICAL

Construction	Fibreglass whip/ glass loaded thermoplastic base
Height	6.5 inches (165 mm)
Weight	0.35 lb (0.16kg)
Base Plate Shape	Tear drop
Fixing Holes	4 x Ø 0.170 inches (4.3mm) ±0.005 inches (0.127mm) holes, counter sunk at 100° Ø 0.280 inches (7.1mm).

FINISH

Antenna	Urethane Lusterless Black
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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.