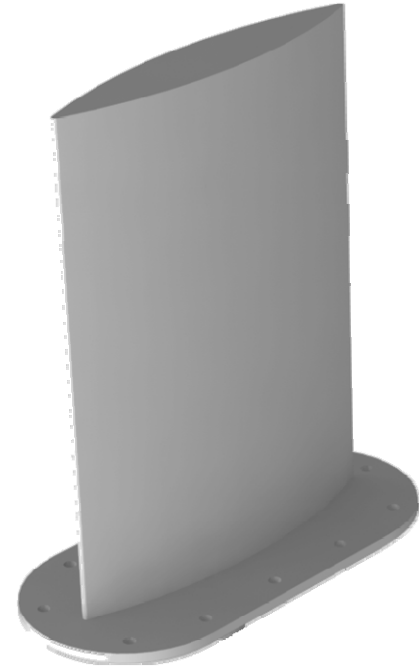




21-50-115
VHF/UHF
Airborne Blade Antenna
30 to 512 MHz

FEATURES

- **Low height 9.4"**
- **Very wide band with no tuning required - continuous frequency coverage**
- **Designed to MIL-STD-810**
- **Fully environmentally sealed**



The 21-50-115 is a low profile blade antenna providing excellent VHF and UHF performance in a small passive design over the entire frequency band of 30-512 MHz. Radiating element design is optimized to provide excellent omni-directivity in azimuth over the full band in a low drag, elliptical shaped structure.

Construction uses a glass epoxy radome bonded into an aluminum alloy base plate which carries a TNC type connector.

The antenna is fully sealed and foam filled for long term reliability and is suitable for rotary and fixed wing aircraft operating in excess of Mach 1.

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SPECIFICATIONS

Cooper Antennas Model 21-50-115 VHF/UHF Airborne Blade Antenna

ELECTRICAL

Frequency Range	30-512 MHz
Polarization	Vertical
Impedance	50 Ohms (nominal)
VSWR	2.5:1 max
Gain (typical)	30-100 MHz -29 to -16 dBi 101-174 MHz -10 dBi average 225-512 MHz +2 dBi average
Power Handling	50 Watts (average) V/UHF
Connector	Type TNC Female

MECHANICAL

Height	9.4 inches (239 mm)
Weight	2.5 lbs (1.13 kg) max

FINISH

Antenna	Urethane Lusterless Grey
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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.**