

**21-50-33** NSN 5985-99-667-7184 Wide-band VHF/UHF Airborne Blade Antenna 30 to 600 MHz

## FEATURES

- High Strength Broadband Top-loaded
  Blade Antenna
- Frequency Selective passive Matching Network
- Requires no external tuning
- Fully Foamed for High Environmental Integrity
- Suitable for AN/ARC-231, AN/ARC-210 and Similar Multi-Mode Radios
- Design to MIL-STD-810 environmental
- DC Grounded
- Gain optimized in 30-88 MHz (SINCGARS) band

The 21-50-33 is a vertically polarized, omni-directional antenna, compatible with all popular airborne radios operating within the 30 to 600 MHz frequency range. This antenna can handle up to 100 Watts of power UHF and 50 Watts VHF and requires no external tuning.

This wideband, multi-function antenna developed by Cooper Antennas Ltd is particularly suited to tactical military communications. Rugged design ensures reliability in world wide conditions of service on helicopters and subsonic aircraft.

Use of a top loading element optimizes efficiency in VHF and the antenna provides omnidirectional radiation throughout the operating frequency range. The element is DC grounded for voltage transient protection. Unique element shaping preserves elevation pattern throughout the frequency band.

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## SPECIFICATIONS

## Cooper Antennas Model 21-50-33 Broadband Airborne Blade Antenna

Z
shell with alloy base.

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.