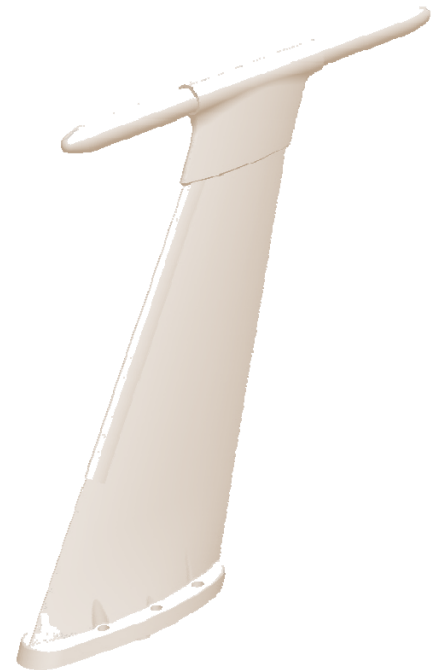




21-20-21
Lightweight VHF ATC Antenna
118 to 137 MHz

FEATURES

- **Rugged, lightweight antenna with short top loading bar for enhanced gain**
- **Maximum efficiency over VHF ATC band thru loss-less matching**
- **Only 10" (nominal) height**
- **Mounting holes enable drop-on replacement for numerous 6 hole fixing VHF blades and AT256**
- **Designed to DO160C environmental requirements including Lightning Indirect Transient suppression (LITS)**
- **Fully sealed for reliability**



The 21-20-21 is a lightweight, top loaded small VHF blade suitable for helicopters and fixed wing aircraft operating up to Mach 0.85.

Use of loss less matching enables this antenna to significantly exceed the minimum operation performance standards (MOPS) for gain defined in DO-186B as required by TSO C38d.

Design uses a glass loaded, thermoplastic, one-piece moulded blade with internal radiating and matching elements, fully sealed and filled with closed cell foam. A short, lightweight aluminum alloy top loading bar and leading edge protector combine to provide a highly efficient antenna with a very small profile.

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

SPECIFICATION

Cooper Antennas Model 21-20-21 Lightweight VHF ATC Antenna

ELECTRICAL

Frequency	118 - 137 MHz
Gain	≥ 2 dBi
VSWR	≤ 3:1
Impedance (nominal)	50 Ω
Power	25 Watts
Polarization	Vertical
Radiation	Nominally Omnidirectional in azimuth
Antenna RF Connector	TNC Female

MECHANICAL

Antenna Shell Type	Glass loaded Thermoplastic moulded blade
Height	10.25 inches (260mm)
Weight	0.9 lbs (408g)
Fixing Holes	6 x Ø 0.200 inches (5mm) holes.

FINISH

Antenna 21-20-21	Gloss White
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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.