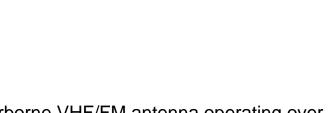


21-20-35

VHF/FM Ultra Low Height Airborne Antenna SINCGARS / BOWMAN 30-88 MHz

FEATURES

- Covers 30-88 MHz without tuning
- Lightweight and Ultra Low Profile
- Only 8.5" stand off height
- For helicopter and fixed wing aircraft up to 250 Knots
- Glass/Epoxy –Aluminum construction
- Small footprint
- Designed to MIL-STD-810
 Environmental Conditions
- 50 watts power handling



The 21-20-35 is an externally mounted airborne VHF/FM antenna operating over the SINCGARS / BOWMAN frequency band of 30-88 MHz

The radiating element comprises a hard drawn alloy tube inserted into an aluminum base which contains foamed-in place matching circuits capable of handling up to 50 Watts power.

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

Cooper Antennas Ltd for non-USA customers

Thames Industrial Estate, Unit K, Fieldhouse Lane, Buckinghamshire SL7 1TB, UK

Tel: +44 (0) 1628 482 360

Email: sales@cooperantennas.com

www.cooperantennas.com



Australian Representatives ROJONE, PTY LTD.

Tel: 02 9829 1555 E: sales@rojone.com.au www.rojone.com.au

SPECIFICATIONS

Cooper Antennas Model 21-20-35 VHF/FM Ultra Low Height Airborne Antenna

		\sim	r D		ΛI
ᄄ	. 🖃	.	ıĸ	L	AL

Frequency Range 30 - 88 MHz

Gain (typical) -27 dBi @ 30 MHz rising to -10 dBi @ 88 MHz

VSWR ≤ 3:1

Impedance (nominal) 50 Ohms

Power 50 Watts

Polarization Nominally vertical

Radiation Nominally omni directional in azimuth plane

Antenna RF Connector BNC Female

MECHANICAL

Construction Hard drawn aluminum alloy tube in aluminum base

Height 8.5 inches (216 mm)

Weight 0.4lbs (180 g)

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 0.320

inches (8.1mm).

FINISH

Antenna Matt Black

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.