

21-50-71

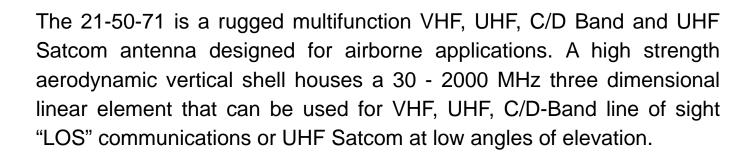
Multi-function UHF/VHF, LINK16, WNW, SRW, ANW2 &

**Satcom Antenna** 

240 to 400 MHz, 30 to 2000 MHz

## **FEATURES**

- Hi and Lo angle UHF Satcom coverage
- Full 30 2000 MHz LOS communications
- Wide Band Link16/WNW/SRW/ANW2
- PRC-117G, AN/ARC-210 & AN/ARC-231 compatible
- Low wingspan minimizes loading on aircraft structure
- Designed to MIL-STD-810 Environmental Requirements



This vertical shell also supports a "Bat-Wing" shape horizontal element containing a pair of cross dipoles, connected to provide high angle, right hand circularly polarized UHF Satcom coverage.

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 21-50-71

Multi-function UHF/VHF, LINK16 WNW, SRW, ANW2 and Satcom Antenna

**ELECTRICAL** 

Frequency UHF Satcom Hi Angle: 240 - 400 MHz

V/UHF/L-Band LOS: 30 - 2000MHz

Gain (Typical) UHF Satcom Hi Angle: +6.5 dBiC @ Zenith

LOS: -18.5 dBi @ 30 MHz

-8.0 dBi @ 88 MHz

-1.0 dBi average @ 118 -174 MHz +1.0 dBi average @ 225 - 2000 MHz\*

VSWR UHF Satcom Hi Angle : ≤ 2.0:1

LOS: ≤ 2.5:1

Impedance (nominal) 50 Ohms for all ports

Power UHF Satcom Hi Angle: 200 Watts CW

LOS: 50 Watts (30-174 MHz)

Vertical

200 Watts (225-2000 MHz)

Polarization UHF Satcom Hi Angle: Right Hand Circular

LOS:

Antenna RF Connector UHF Satcom Hi Angle: N Female

LOS: TNC Female

**MECHANICAL** 

Height 13 inches (330mm) max

Wingspan 13 inches (330mm) max

Mounting Hole Configuration 8 holes each 0.208 - 0.234 dia. Inches (5.28 - 5.94mm)

Weight 9.5 lbs (4.32Kg)

**ENVIRONMENTAL** 

Designed to Environmental MIL-E-5400 Class 2 / MIL-STD-810

**FINISH** 

Antenna: Urethane Lusterless Grey Baseplate: Unpainted, Alocrom

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.