



**21-60-26-1**  
**Semi Conformal**  
**UHF Satcom Antenna**  
**240 to 385 MHz**

## FEATURES

- **Ultra Low profile**
- **Passive antenna - requires no tuning**
- **Covers UHF Satcom including MUOS**
- **Designed to MIL-STD-810**



The 21-60-26-1 antenna provides extremely wide UHF Satcom bandwidth in an ultra low profile design within a completely passive structure.

Specially shaped radiating elements and proprietary matching circuits are used to optimize gain/bandwidth without need for tuning.

The antenna matching elements are located in an aluminum cavity which recesses 3.35 inches below aircraft skin line and requires a 9.5 inch square cut-out in the skin. The external portion of the antenna is 3.5 inches high and is environmentally sealed within a glass epoxy radome.

**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](mailto:sales@cooperantennas.com)  
[www.cooperantennas.com](http://www.cooperantennas.com)



**Australian Representatives**  
**ROJONE, PTY LTD.**  
Tel: 02 9829 1555  
E: [sales@rojone.com.au](mailto:sales@rojone.com.au)  
[www.rojone.com.au](http://www.rojone.com.au)

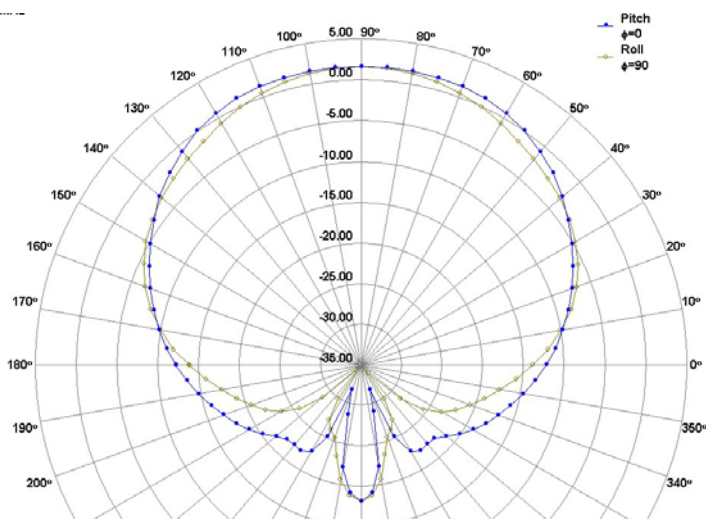
Cooper Antennas Ltd is Accredited to: ISO9001, AS9100, ISO14001 and MAA Approved

# SPECIFICATIONS

## Cooper Antennas Model 21-60-26-1 Semi Conformal UHF Satcom Antenna

### ELECTRICAL

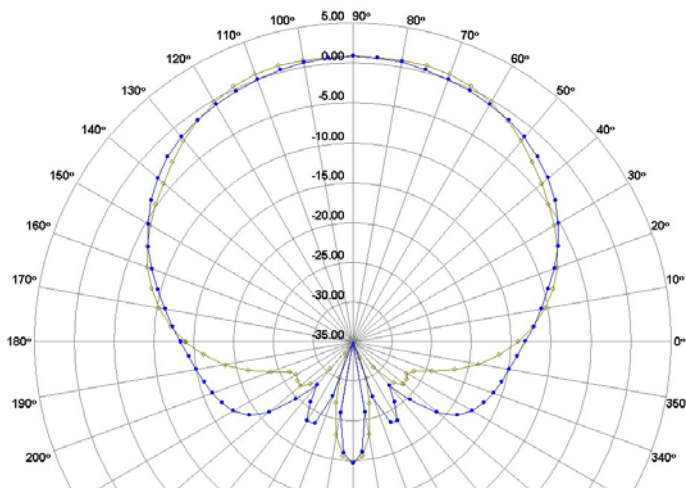
Frequency	240 - 385 MHz
Gain @ zenith	+1 dBiC average
VSWR	≤ 1.5:1
Impedance (nominal)	50 Ohms
Polarization	Right Hand Circular
Radiation	Nominally omni-directional in azimuth, Elevation -see graphs
Power Handling	200 Watts



Elevation (Roll/Pitch) Pattern at 318 MHz

### MECHANICAL

Dimensions	12 inches (305 mm) x 13.5 inches (342 mm)
Height (above skin)	3.5 inches (89 mm)
Depth (below skin)	3.35 inches (85 mm)
Skin cut-out	9.5 inches x 9.5 inches (242 mm)
Weight	8.5 lbs (3.85 kg) max



Elevation (Roll/Pitch) Pattern at 385 MHz

### FINISH

Urethane Lusterless 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.