



20-30-70
UHF SATCOM Antenna
225 to 400 MHz

FEATURES

- **Suitable for land, shipborne and airborne application.**
- **Hemispherical Coverage.**
- **Low profile.**
- **Rugged yet lightweight**
- **Designed to MIL-STD-810 Environmental conditions.**
- **Element DC grounded for P-static protection.**
- **Direct Replacement for AS-3439/G.**



The 20-30-70 is a low profile UHF Satcom antenna that provides hemispherical coverage without the need to switch from high to low angle elements. The design comprises a pair of specially shaped crossed folded dipoles connected such as to generate Right Hand Circular polarization.

For interchangeability reasons, an external 50 ohm load is required to terminate the in built hybrid coupler. Radome construction is from high strength epoxy-fibreglass and the antenna is sealed and foamed for long term protection against

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



Australian Representatives
ROJONE, PTY LTD.
Tel: 02 9829 1555
E: sales@rojone.com.au
www.rojone.com.au

SPECIFICATIONS

Cooper Antennas Model 20-30-70

UHF Satcom Antenna

ELECTRICAL

Frequency	225 - 400 MHz
Gain (typical)	2-4 dBiC typical
VSWR	≤ 1.5:1
Impedance (nominal)	50 Ohms
Power	200 Watts CW
Polarization	Right Hand Circular
Antenna RF Connector	Input N Female Load TNC Female

MECHANICAL

Height	6.25 inches (159mm) max
Radome Diameter	21.5 inches (546mm)
Base plate diameter	30 inches (762mm)
Weight	13 lbs (5.9 kg)
Fixing Holes	24 holes x Ø 0.312 inches (7.92mm)

FINISH

Standard	Urethane olive drab
----------	---------------------

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.