



20-30-07
5985-99-919-1641
UHF SATCOM Antenna
240 to 320 MHz

FEATURES

- **Design to Comply with appropriate sections MIL-STD-810**
- **Lightweight**
- **19 inches by 5 inches Stowed Size**
- **Includes Carrying Bag and Manual**
- **Quick Set-up and Stowage**
- **Tripod or Hand-Held Operation**
- **Low Visibility**
- **Robust Construction**
- **All Weather operation**
- **High Gain**
- **200 Watts CW Power**
- **Right hand Circular Polarization**



20-30-07
240 - 320 MHz
+11.0 dBiC Gain

The 20-30-07 series are right hand circularly polarized directional antennas. Two plug-in extensions are supplied with the 20-30-07 to provide an increase in gain to 11 dBiC. The antenna can easily be adjusted in azimuth and elevation for best performance and locked in position with a single thumbscrew. The tripod legs can be removed by a single thumbscrew to enable the antennas to be used as hand-held units. They are compatible with all popular military SATCOM radios operating in the UHF band.

These antennas are members of a family of quickly deployed lightweight antennas developed by Cooper Antennas Ltd for tactical military communications. Rugged design ensures reliability in arctic, jungle or equatorial desert environments. The unique Cooper Antennas design enables a single person to set up the antennas in 30 seconds, under the most demanding combat conditions. They are especially well suited to special mission applications.

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SPECIFICATIONS

Cooper Antennas Model 20-30-07

UHF SATCOM Antenna

ELECTRICAL

Frequency	240 - 320MHz
Gain	+11 dBiC
VSWR	≤ 1.5:1
Impedance	50 Ohms
Power	200 Watts CW
Polarization	Right Hand Circular
Antenna Connector	BNC Male
Operational Temperature	-40°C to +71°C
RF Cable	2 each 12 feet (3.6m) long
RF Cable Connector	BNC Male and Female

MECHANICAL

Element Height (without Directors)	24 inches (609mm)
Element Diameter (approx)	
Upper (Petals)	18.5 inches (470mm)
Lower (Reflector)	24 inches (609mm)
Total Height	53.5 inches (1359mm)
Number of Extensions	Two

STOWED SIZE

Diameter (approx)	5 inches (127mm)
Length (approx)	19 inches (483mm)
Weight (excluding Bag & Accessories)	4 lbs (1.8kg) approx

FINISH

Antenna	Black anodised lustreless black paint and black composite material
Legs	Self coloured black gloss epoxy

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.