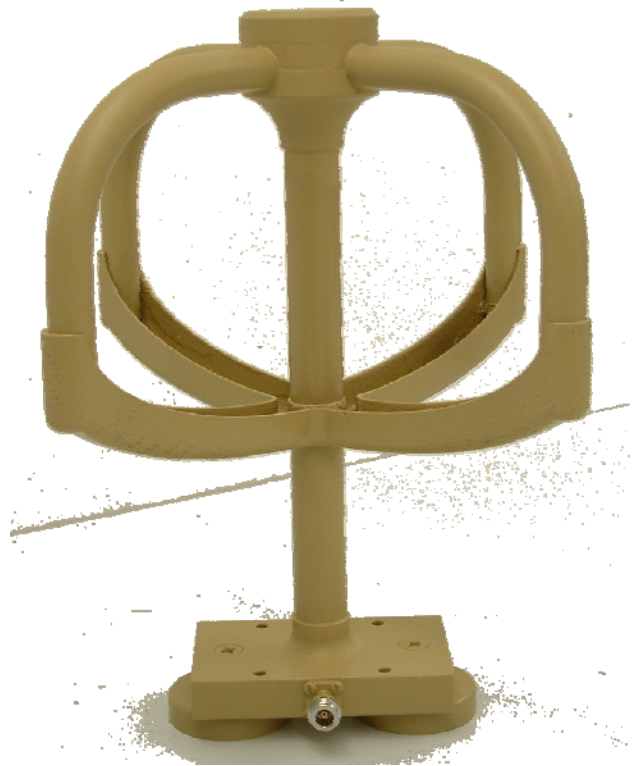




21-30-91MC07
UHF Satcom On-The-Move
Magnetic Mount Antenna
243 MHz to 385 MHz

FEATURES

- **Magnetic mount**
- **Robust Construction**
- **Light Weight**
- **Typically +6 dBiC Gain**
- **All Weather operation**
- **Wide Angle pattern coverage**
- **200 Watts CW Power handling**
- **Right Hand Circular Polarization**
- **Designed to MIL-STD-810 environmental requirements**



Satcom on-the-Move requires antenna pattern coverage to be as near to hemispherical as possible. The CAL 21-30-91MC07 utilizes a pair of quadrature connected UHF “droopy dipoles” with geometry arranged to maintain greater than 0 dBiC gain beyond a 120° cone.

It is constructed of rugged fiber glass/epoxy with aluminium alloy dipole elements and base housing. The antenna is foam filled for structural integrity and prevention of moisture ingress.

The 21-30-91MC07 is designed for quick installation and deployment on ferrous roofed vehicles and shelters.

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 21-30-91MC07 UHF Satcom On-The-Move Antenna

ELECTRICAL

Frequency	243 MHz - 385 MHz
Gain	+6 dBiC typical at zenith
VSWR	≤ 1.5:1
Impedance	50 Ohms nominal
Power	200 Watts max
Polarization	Right Hand Circular (at zenith)
Antenna RF Connector	N Female
Operational Temperature	-25°C to +71°C

MECHANICAL

Height	14 inches (355mm)
Dipole span	12.6 inches (320mm)
Weight	3 lbs (1.4kg)
Mounting	Magnetic mount

FINISH

Part Number 21-30-91MC04	Matt Black
Part Number 21-30-91MC07	Desert Tan

**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.**