



20-30-41
UHF Antenna
400 to 450 MHz

FEATURES

- **Lightweight**
- **CECOM Mounting base**
- **Robust construction**
- **200 Watts CW**
- **+ 2 dBi Gain**
- **Wide Bandwidth**
- **To MIL-STD-810 environmental conditions**
- **Supplied in Desert Sand or NATO Green**

The 20-30-41 is a high performance, CECOM plate mounted antenna intended for vehicular, ship borne or fixed shelter installations.

The antenna acts as a center fed dipole, with its lower element also acting as an RF choke to minimize pattern corruption from different mounting circumstances.

Lossless matching and the geometry of the antenna feed arrangement combine to produce a very efficient UHF antenna covering the frequency band of 400 - 450 MHz.



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 20-30-41 UHF Antenna

ELECTRICAL

Frequency	400 - 450 MHz
Gain (typical)	+2 dBi
VSWR	≤ 2.5:1
Impedance (nominal)	50 Ohms
Power	200 Watts CW
Polarization	Linear - vertical when vertically mounted
Antenna Connector	N Female

MECHANICAL

Total Height	46.5 inches (1181mm)
Element Diameter	
Antenna	2.25 inches (57mm)
Support	1.5 inches (38mm)
Base	5.5 inches (140mm) [4 holes on 4.5 inches (114mm) circle to CECOM standard pattern]
Weight	6 lbs (2.7kg)

FINISH

Antenna	Urethane Desert Sand
---------	----------------------

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.