



**20-30-40-3**  
**UHF Spring-Mounted Vehicular**  
**COM and EPLRS Antenna**  
**225 to 450 MHz**

**FEATURES**

- **Lightweight**
- **Spring Mounted CECOM base**
- **Robust construction**
- **100 Watts CW**
- **+ 1 dBi Gain**
- **Wide Bandwidth**
- **Designed to MIL-STD-810 environmental conditions**
- **Meets 25 mph Oak Beam Test**
- **Supplied in Desert Sand or NATO Green**
- **Ground plane independent**
- **DC Grounded Element with at least 10 kV high voltage protection**

The 20-30-40-3 is a high performance, spring mounted wide band UHF antenna intended for vehicular, ship borne or fixed shelter installations. When vehicular mounted, its spring base minimizes impact damage and also allows for tie down stowage.

Radiating element comprise a UHF dipole totally encased in high strength fiberglass tubing which provides insulation in the event of accidental contact with 10kV RMS (minimum) high voltage power lines. Lossless matching and the geometry of the antenna feed arrangement combine to produce a very efficient UHF antenna covering the entire frequency band of 225 - 450 MHz.



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# SPECIFICATIONS

## Cooper Antennas Model 20-30-40-3 UHF Spring-Mounted Vehicular COM and EPLRS Antenna

### ELECTRICAL

Frequency	225 - 450 MHz
Gain (typical)	+1 dBi
VSWR	≤ 2.5:1
Impedance (nominal)	50 Ohms
Power	100 Watts CW
Polarization	Vertical
Antenna Connector	BNC Female

### MECHANICAL

Total Height	46.5 inches (1181mm)
Element Diameter	
Antenna	2.25 inches (57mm)
Base	5.5 inches (140mm)
Mounting	4 holes on 4.5 inches (114mm) circle to CECOM standard pattern
Weight	6.9 lbs (3.14kg)

### FINISH

Urethane and Self Color Nato Green - Black cap

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.