



20-30-04CM
Ground Stub EPLRS Antenna
420 to 450 MHz

FEATURES

- **Covers UHF band 420 to 450 MHz**
- **Robust composite construction**
- **Lightweight**
- **Designed to MIL-STD-810 Environmental Specification**
- **Low profile, only 25" height**
- **Omnidirectional azimuthal radiation pattern**
- **50 Watts power handling**
- **Excellent Gain with high efficiency**



Covering the UHF frequency band 420 to 450 MHz, the 20-30-04CM is a lightweight antenna intended for ground use.

Construction uses contoured printed circuit elements encased within an epoxy glass composite structural support, the complete assembly being bonded into an aluminum alloy 'CECOM' mounting plate.

Designed as an elevated center fed dipole, this antenna is tolerant of different mounting circumstances such as tripod, shelter, vehicle, ship or mast and is closed cell foam filled for reliable operation in worldwide environmental conditions.

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SPECIFICATIONS

Cooper Antennas Model 20-30-04CM

Ground Stub Antenna

ELECTRICAL

Frequency	420-450 MHz
Gain	+2 dBi
VSWR	≤ 2:1
Impedance (nominal)	50 Ohms
Power	50 Watts
Polarization	Vertical
Radiation	Omni directional in azimuth plane
Antenna RF Connector	N Female

MECHANICAL

Antenna Construction	Composite epoxy casing over element supported by aluminum alloy base
Height	25 inches (635mm) max
Weight	4.5 lbs (2.05kg) max
Element Diameter	2.25 inch (57.15mm) max
Base Plate Shape	4 hole CECOM

FINISH

Antenna	Urethane Desert Sand
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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.