



20-50-31
Wideband VHF/UHF Magnetic
Mount Communications
Antenna 75 - 350 MHz

FEATURES

- **Low silhouette**
- **Covers wide band without tuning**
- **Fully environmentally sealed**
- **4 point magnetic mounting**
- **Designed to MIL-STD-810**
- **50 Watts power handling**



The 20-50-31 is a vertically polarized, omni-directional antenna designed for rapid deployment on steel roofs and shelters by incorporation of a strong magnetic mounting plate. This antenna has a relatively slim radiating element for low observability and has proprietary passive matching over the entire frequency band, thus requiring no external tuning.

The antenna is foam filled and fully environmentally sealed for worldwide conditions of service.

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Cooper Antennas Ltd is Accredited to: ISO9001, AS9100, ISO14001 and MAA Approved

SPECIFICATIONS

Cooper Antennas Model 20-50-31

Wideband VHF/UHF Magnetic Mount Communications Antenna

ELECTRICAL

Frequency	75-350 MHz
Gain (typical)	-5dBi to +2dBi
VSWR	2.5:1 maximum
Impedance	50 ohms nominal
Power	50 watts
Polarization	Vertically Polarized
Antenna RF Connector	BNC Female
Operational Temperature	-40°C to +71°C

MECHANICAL

Fixings	4 x magnetic mounts
Overall Height	25 inches (640mm) max
Weight	7.7 lbs (3.5kg) max.

FINISH

Finish	Lusterless Black Urethane
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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.