



**21-30-73**  
**Multi-band VHF/UHF Antenna**  
**121-960 MHz**

## FEATURES

- **Very low height and light weight**
- **Covers VHF and UHF distress frequencies, VHF maritime and GSM frequencies**
- **Receive only**
- **Omni-directional azimuthal radiation pattern**
- **Designed to MIL-STD-810 environmental requirements**



The 21-30-73 is a very low height receive only antenna covering VHF and UHF distress frequencies, VHF/FM maritime band and 890-960 MHz GSM frequencies. Design comprises a top loaded monopole with specially shaped radiating element to preserve patterns though the frequency range.

Constructed using a glass loaded, thermoplastic shell moulding with internally foamed-in-place radiating and matching elements, this antenna is completely sealed to provide long term reliability and protection against moisture ingress. An aluminum alloy baseplate carries a centrally mounted N-type (female) connector and the six hole mounting pattern is a drop-on replacement for AT256 type UHF blades.

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# SPECIFICATIONS

## Cooper Antennas Model 21-30-73 Multi-band VHF/UHF Antenna

### ELECTRICAL

Frequency	121-406 MHz 890-960 MHz
Impedance (nominal)	50 Ohms
VSWR	$\leq 4.5:1$ 121-400 MHz $\leq 1.5:1$ 406 MHz $\leq 2.0:1$ 890-960 MHz
Polarization	Vertical
Gain (typical)	$\geq -7$ dBi 121.5 MHz $\geq -8$ dBi 160 MHz $\geq +4$ dBi 406 MHz $\geq +2$ dBi 890-960 MHz
Radiation	Omni-directional in azimuth Elevation - see graphs
Connector	N Female

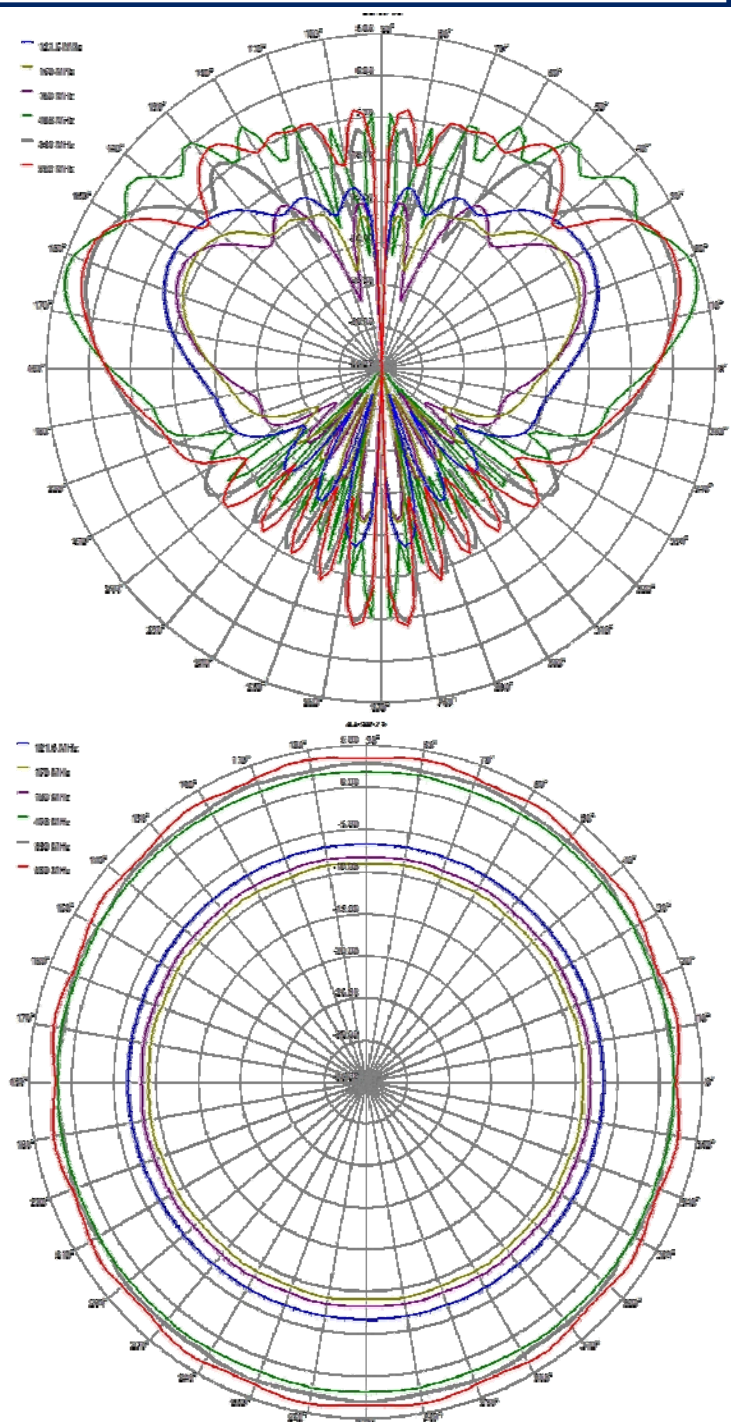
### MECHANICAL

Height	150mm max
Weight	400 grms max
Fixing Holes	6 x $\varnothing$ 0.516 mm

### FINISH

Lusterless Black Urethane

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.