

UHF OMNI Antenna 5000-0040



Monitoring & Control Solutions for Environmental Problems

Features

- Heavy duty construction
- Fiberglass housing material for longevity
- No tuning or cutting required
- High wind survivability
- DC grounded
- Factory assembled and pre-cut for the ordered frequency band
- Omni-directional pattern is perfect for base station applications where ease of installation and low cost are a priority.
- Includes a heavy duty universal clamp set that mounts to a vertical pipe of up to 2-3/4 in diameter.
- High gain in addition to the omni directional coverage make this antenna perfect for base stations.

Helpful Hints

- Remember to perform link calculations that take into consideration transmitter wattage, cable loss, tower height, and distance between communication points to determine if the type of antenna selected and its gain are optimum for the system.
- Use top quality co-ax cabling between the transmitter and the antenna. Poor quality connectors, long cables, or poor quality cable will reduce the effective output at the antenna and may render the system inoperable.

Applications

- SCADA
- AGRIMET
- Any Met type station requiring line of site radio communication systems reporting from remote sites to a central base station
- Useful where no telephone exists or frequent or high volume data reporting is a necessity

Specifications

Frequency	406-512 Mhz (see below)
Gain	5 dBd
Bandwidth	8 MHz
Max Pwr.	150 Watts
3dB Beamwidth (E-plane)	73 deg
Connector	Type N Female
Wind Surf. Area	.217 ft ² (.020 m ²)
Wind Survivability	125 mph (200 kph)
Weight	1.12 lb (0.5 kg)
Length	42 in to 46 in 107.32 cm to 116.84 cm length relative to frequency

Ordering Information

Part Number Description

5000-0040-1	Antenna, UHF, Omni , 406-430 MHz
5000-0040-2	Antenna, UHF, Omni , 430-450 MHz
5000-0040-3	Antenna, UHF, Omni , 450-470 MHz
5000-0040-4	Antenna, UHF, Omni , 470-490 MHz
5000-0040-5	Antenna, UHF, Omni , 490-512 MHz

Accessories

6411-1162-1	Cable Assy, Antenna, 15 ft
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