



ANTENNA EXPERTS

E-mail: info@antennaexperts.in Website: www.antennaexperts.in

Model # AC-134-500 134 – 500 MHz. 2 dBi Gain

VHF/UHF Band Omni-Directional Antenna

DESIGN FEATURES: AC-134-500 Omni-directional VHF/UHF band antenna is rugged all weather model, uses high class brass and aluminum alloy and does not require any field tuning or adjustments. The compact size (1 Meter shipping length) of omni-directional VHF/UHF band antenna allows easy handling, shipping. The antenna is highly suitable as Tx and Rx antenna with high efficiency, to meet the broadband requirement of a base station antenna such as spectrum monitoring or jamming application without having the requirement of multiple antennas. The antenna when packed comes with ground radials removed from the antenna body for ease of packing and transportation.



CONSTRUCTIONS: The VHF/UHF band antenna is consisting of large diameter radiating elements, enclosed in ABS tube. The ABS enclosure has excellent transparency for RF signals and enough strength to withstand specified wind loads. The mounting hardware and all fasteners are made of stainless steel. Large diameter vertical radiating element ensures the constant vertical beam-width of 76 degrees and 2dBi gain over the entire band. Antenna termination and feed cable lie enclosed inside the mounting pipe for complete weather protection.

ELECTRICAL SPECIFICATIONS:

Frequency Range	134 -500 MHz.
Gain	2 dBi.
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms
Radiation Pattern	Omni-directional
Vertical Beam-width –Half Power Points.	76 Degrees
VSWR	1:2.5
RF Power Handling Capacity	500 Watts.
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:

Antenna Base Hub Materials	Chromium Plated Brass
Mounting Hardware -Materials	Stainless Steel
Wind Rating	180 Km/Hr.
Overall Length	1.2 Meters
Shipping Length	1.0 Meter
Maximum Mount Pipe Diameter	52 mm (2 Inches)
Enclosure Materials	ABS Tube
Support Pipe Materials	Powder Coated Aluminum
Gross Weight	6 Kgs.

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature	(-)30 to +70 Degrees Celsius
Storage Temperature	(-)40 to +80 Degrees Celsius
Humidity	0 to 95% RH

Note: All information contained in the datasheet is subject to change without any prior notice.