



ANTENNA EXPERTS

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Model # CD5-400-470 400 – 470 MHz. 5 dBi Gain

Omni-Directional High Gain Jammer Coaxial Dipole Antenna

DESIGN FEATURES: CD5-400-470 Omni-directional high gain jammer coaxial dipole antenna is rugged all weather model, enclosed in a ABS radome and does not require any field tuning or adjustments. The compact size of omni-directional coaxial dipole antenna allows easy handling, shipping and highly suitable for transmitting, receiving & jamming application without having the requirement of multiple antennas. This fiber glass jammer collinear antenna is specially designed to mount on the side of the vehicle with the help antenna adaptor base plate. The antenna uses standard NATO 4 holes pattern base which is suitable to mount the antenna directly on the antenna adaptor base plate. Similarly the antenna can also be supplied with pole mounting hardware for base station application or any other customized mounting hardware (optional).



CONSTRUCTIONS: The high gain omni directional jammer coaxial dipole antenna is consisting of large diameter 6063T6 ultra corrosion resistant architectural aluminum alloy radiating elements stacked vertically and enclosed in ABS radome. The special center fed design technique is used for smooth VSWR and 5dBi. gain at center of 400-470 MHz. frequency band. The ABS enclosure has excellent transparency for RF signals and enough strength to withstand specified wind loads. The N-Female termination of high gain coaxial dipole antenna is fixed at the bottom of the mounting pipe for complete weather protection. Cylindrical enclosure is used for low wind loading and for minimal effect of ice formation on the antenna operation as well as providing an aesthetically pleasing appearance.

ELECTRICAL SPECIFICATIONS:

Frequency Range	400-470 MHz.
Gain at Center Frequency	5 dBi.
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms
Radiation Pattern	Omni-directional
Vertical Beam-width –Half Power Points.	36 Degrees
VSWR – Better Than	2.0:1
RF Power Handling Capacity	150 Watts.
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:

Materials	6063T6 Aluminum Alloy
Mounting Hardware Fasteners	Marine Grade Stainless Steel
Wind Rating	170 Km/Hr.
Overall Length	1150 mm
Shipping Length	1250 mm
Mounting Type	NATO 4 Holes or Customized
Enclosure Material	ABS
Enclosure Diameter	44 mm
Support Pipe Diameter	50 mm
Gross Weight	2 Kgs.

ENVIRONMENTAL SPECIFICATIONS:

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



Please contact us for further information like drawing, radiation patterns & VSWR graph etc.
Note: All information contained in the datasheet is subject to change without any prior notice.