



# ANTENNA EXPERTS

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Model # JCD-700-2500 700 – 2500 MHz. 2 dBi Gain

## Omni-Directional Ultra Wide Band Jammer Coaxial Dipole Antenna

**DESIGN FEATURES:** JCD-700-2500 Omni-directional ultra wide band 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 jammer coaxial dipole antenna allows easy handling, shipping and highly suitable for transmitting, receiving or jamming applications without having the requirement of multiple antennas. The N-Female termination of high gain jammer 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.

**CONSTRUCTIONS:** The ultra wide band 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 constant 2dBi. gain over the entire 700-2500 MHz. frequency band. The ABS enclosure has excellent transparency for RF signals and enough strength to withstand specified wind loads. The marine grade stainless steel mounting brackets are supplied with the high gain coaxial dipole antenna. Standard NATO 4 holes pattern for vehicular mounting or vertical pole mounting option are available.



### ELECTRICAL SPECIFICATIONS:

Frequency Range	700 - 2500 MHz.
Gain	2 dBi.
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms
Radiation Pattern	Omni-directional
Vertical Beam-width –Half Power Points.	78 Degrees
VSWR	2:1
RF Power Handling Capacity	250 Watts.
Input Termination	N-Female

### MECHANICAL SPECIFICATIONS:

Materials	6063T6 Aluminum Alloy
Mounting Hardware -Materials	Marine Grade Stainless Steel
Wind Rating	200 Km/Hr.
Overall Length	280 mm
Shipping Length	300 mm
Maximum Mount Pipe Diameter	52 mm (2 Inches)
Enclosure Materials	UV Resistant ABS
Enclosure Length	200 mm
Net Weight	500 Grams.
Gross Weight	1.5 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 Photograph, Azimuth & Elevation radiation patterns and frequency Vs VSWR graph.

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