

## Broadband RCIED Jammer Antenna for Vehicular or Manpack Application

Model # JCD-500-2500	500-2500 MHz.	2 dBi Gain
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**DESIGN FEATURES:** JCD-500-2500 broadband omni-directional vehicle mount coaxial dipole antenna is rugged all weather model, enclosed in a ABS radome, uses high class aluminum alloy 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 receiving, transmitting, scanning, monitoring, surveillance and jamming applications without having the requirement of multiple antennas. Antenna termination and feed cable lie enclosed inside the mounting pipe for complete weather protection.

**CONSTRUCTIONS:** The vehicle mount coaxial dipole antenna is consisting of large diameter radiating elements stacked vertically and enclosed in ABS radome. The special “Choke and Spark Gap” technique is used for smooth VSWR and typical 2dBi. gain over the entire 500-2500 MHz. frequency band. The UV resistant ABS enclosure has excellent transparency for RF signals and enough strength to withstand specified wind loads. The stainless steel mounting hardware is supplied with the antenna. Cylindrical shell/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.

**MOUNTING OPTION:** This vehicle mount broadband antenna can be supplied with standard NATO 4 holes pattern with or without spring. The mounting hardware is made of marine grade stainless steel. Customized mounting arrangements like mounting directly on equipment for manpack application can also be supplied on request.

### ELECTRICAL SPECIFICATIONS:

Frequency Range	500 - 2500 MHz.
Gain	2 dBi. Typical
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms
Radiation Pattern	Omni-directional
Vertical Beam-width –Half Power Points.	78 Degrees
VSWR – Better Than	2.5:1
RF Power Handling Capacity	250 Watts
Input Termination	N-Female

### MECHANICAL SPECIFICATIONS:

Materials	6063T6 Aluminum & ABS
Mounting Hardware -Materials	Marine Grade Stainless Steel
Wind Rating	200 Km/Hr.
Overall Length	370 mm
Shipping Length	400 mm
Mounting Type	Manpack or NATO 4 Holes
Enclosure Material	UV Resistant ABS
Enclosure Outer Diameter	63 mm
Enclosure Length	330 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/photo, radiation patterns & VSWR graph etc.

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