



ANTENNA EXPERTS

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Model # JCD-1000-6000 1000 – 6000 MHz. 2 dBi Gain

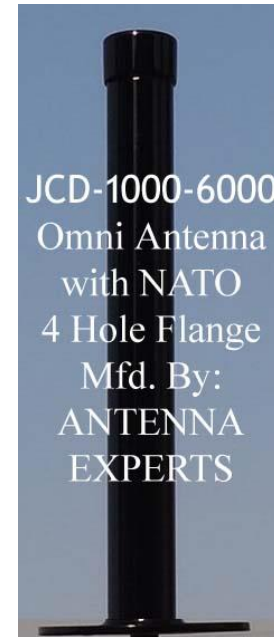
Broadband RCIED Jammer Antenna for Vehicular Mounting Application

DESIGN FEATURES: JCD-1000-6000 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. Vehicular mount version shown in side.

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 1000-6000 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 PROCEDURES: This vehicle mount antenna is supplied with standard NATO 4 holes pattern with biconical spring fitted at the base of antenna for better flexibility. The mounting hardware is made of marine grade stainless steel. Customized mounting arrangements can also be supplied on request.

RADOME: The broad band omnidirectional antenna is completely protected within a high-tech ruggedized radome which is made of high strength ABS enclosure to ensure survivability in the worst environments conditions The heavy duty ABS enclosure has excellent transparency for RF signals and enough strength to withstand more than specified wind loads. Cylindrical enclosure is used for low wind loading and for minimal effect of ice formation on the broad band omni antenna operation as well as providing an aesthetically pleasing appearance. The antenna is supplied with olive green MIL color or Black finish. Other customized housing/radome color can also be supplied on request.



ELECTRICAL SPECIFICATIONS:

Frequency Range	1000 - 6000 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	150 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	350 mm
Shipping Length	400 mm
Mounting Type	NATO 4 Holes Flange or Customized
Enclosure Material	UV Resistant ABS
Enclosure Length	300 mm
Gross Weight	1 Kg.
Final Finish/Color	Olive Green RAL 6003 or Customized

ENVIRONMENTAL SPECIFICATIONS:

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

Request for more technical details like VSWR curve and radiation pattern.
Note: All information contained in the datasheet is subject to change without any prior notice.