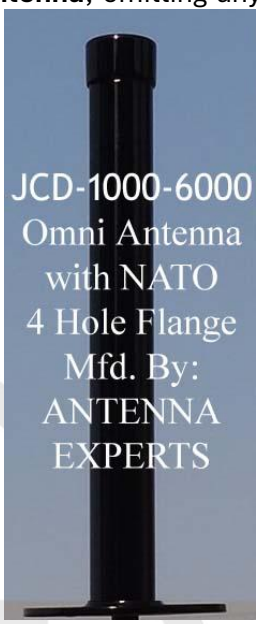
	Ultra Wide Band ECM & RCIED Antenna for Vehicle		
	JCD-1000-6000	1000-6000 MHz	2 dBi Gain

Ultra-Wideband RCIED Countermeasures and Electronic Warfare: **Model JCD-1000-6000** is an ultra-wideband **coaxial dipole antenna** precision-engineered for defense operations across the **1000–6000 MHz** spectrum, offering a continuous 2 dBi gain. This commercial-off-the-shelf system functions natively as a **broadband RCIED jammer antenna**, omitting any need for field tuning or multi-antenna co-sites. Internally, large-diameter aluminum elements are stacked vertically to maintain highly uniform, omni-directional radiation coverage. By utilizing an advanced **choke and spark gap technique**, the antenna guarantees a smooth voltage standing wave ratio (VSWR) across its entire operating range. This wide-spectrum capability makes it an ideal frontline asset for electronic counter-measures (ECM), high-power tactical jamming, multi-band electronic surveillance, and real-time spectrum scanning.



Ruggedized MIL-SPEC Vehicular Integration and Armored Survivability: Engineered to endure severe theater conditions, the JCD-1000-6000 is housed within a heavy-duty, **UV resistant ABS radome** available in standard military olive green or stealth black. The low-profile cylindrical enclosure dramatically lowers wind drag and limits ice build-up during mobile deployments. To survive extreme kinetic stress and off-road driving, the system features a rugged **biconical spring base** that flexes safely upon impact, coupled with a standard **NATO 4-hole flange vehicular mount** built from marine-grade stainless steel. The RF feed cable and termination are routed inside the support pipe for comprehensive weatherproof protection, delivering a reliable solution for tactical armored vehicle integrations.

Electrical Specifications:	
Frequency Range	1000 - 6000 MHz.
Gain - Typical	2 dBi. Typical
Bandwidth	Entire 1-6GHz 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 Used	Brass, Aluminum & ABS Tubes
Mounting Hardware -Materials	High Grade Stainless Steel
Wind Rating	200 Km/Hr.
Overall Length	350 mm
Shipping Length	400 mm
Mounting Type	NATO Flange or Customized
Finial Finish/Color	Military Green or Customized
Enclosure Materials	UV Resistant ABS Tube
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 Azimuth & Elevation radiation patterns, Image and frequency Vs VSWR graph.
Note: All information contained in the datasheet is subject to change without any prior notice.