



ANTENNA EXPERTS

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Model # JC4-2025

2000 – 2500 MHz.

4 dBi. Gain

OMNI-DIRECTIONAL JAMMER COLLINEAR ANTENNA

DESIGN FEATURES: The JC4-2025 Jammer Collinear Antenna is rugged all weather model, enclosed in a ABS radome, uses 6063T6 ultra corrosion resistant aluminum alloy and does not require any field tuning or adjustments. The support pipe and mounting flange are supplied with powder coating finish to protect it further from severe environmental conditions. The compact size of omni-directional antenna allows easy handling, shipping and highly suitable for transmitting, monitoring, scanning and Jamming application without having the requirement of multiple antennas. 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 jammer collinear antenna is supplied complete in assembled condition. This jammer antenna has smooth VSWR and constant Gain over the 2000 - 2500 MHz frequency band. The JC4-2025 jammer collinear antenna consists of ultra corrosion resistant radiating elements and enclosed in ABS housing. The ABS has excellent transparency for Radio Signal and mechanically Robust to support extra mechanical strength to the jammer collinear antenna.

MOUNTING: The antenna is supplied with standard NATO 4 holes mounting pattern. Since the overall length of the antenna is too small, no spring loaded technique is used, making it economical and more rigid to withstand tough MIL environmental condition. The N-Female termination of antenna is provided at the bottom of mounting flange.

ELECTRICAL SPECIFICATIONS:

Frequency Range	2000 - 2500 MHz.
Gain	4 dBi. Typical
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms.
Radiation Pattern	Omni-directional
Vertical Beam-width -Half Power Points	38 Degrees
VSWR – Better Than	2.5:1
RF Power Handling Capacity	100 Watts.
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:

Wind Rating	180 Km/Hr.
Mounting Type	NATO 4 Holes Pattern
Overall Length	350 mm
Shipping Length	400 mm
Support Pipe Materials	6063T6 Aluminum Alloy
Insulator Materials	Teflon & Nylon
Enclosure Materials	ABS
Metallic Part Finishing	Military Green Powder Coating
Gross Weight	2 Kg.

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature	MIL-STD-810G, (-) 30 to +70 Degrees Celsius
Storage Temperature	MIL-STD-810G, (-) 40 to +80 Degrees Celsius
Humidity	MIL-STD-810G, Method 507.5, Procedures I & II
Shock	MIL-STD-810G, Method 516.6, Procedure IV
Rain	MIL-STD-810G, Method 506.5, Procedure I
Salt Fog	MIL-STD-810G, Method 509.5

Please contact us for radiation pattern, VSWR graph, gain curve, picture and drawing.

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