



ANTENNA EXPERTS

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Model # JC5-900

800 – 1000 MHz.

5 dBi. Gain

OMNI-DIRECTIONAL JAMMER COLLINEAR ANTENNA

DESIGN FEATURES: The JC5-900 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 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 800 - 1000 MHz frequency band. The JC5-900 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	800 - 1000 MHz.
Gain	5 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	2.0:1
RF Power Handling Capacity	150 Watts.
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:

Wind Rating	180 Km/Hr.
Mounting Type	NATO 4 Holes Pattern
Overall Length	500 mm
Shipping Length	550 mm
Support Pipe Materials	6063T6 Aluminum Alloy
Insulator Materials	Teflon & Nylon
Enclosure Materials	ABS
Metallic Part Finishing	Military Green Colour
Gross Weight	< 1.5 Kg.

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 VSWR curve, Radiation Pattern and Drawing of antenna

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