



ANTENNA EXPERTS

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Model JC10-1900 1800 – 1990 MHz. 10 dBi. Gain

HIGH GAIN RCIED JAMMER COLLINEAR ANTENNA

DESIGN FEATURES: The JC10-1900 RCIED Jammer Collinear Antenna is rugged all weather model, enclosed in a Fiber Glass enclosure, uses 6063T6 ultra corrosion resistant architectural aluminum alloy and high quality brass radiating elements. The high gain RCIED jammer collinear antenna does not require any field tuning or adjustments. This fiber glass jammer collinear antenna is specially designed to mount on the side of the vehicle with the help antenna adaptor base plate. The antenna uses standard NATO 4 holes pattern base which is suitable to mount the antenna directly on the antenna adaptor base plate. Similarly the antenna can also be supplied with pole mounting hardware for base station application and direct equipment mount for manpack application (optional).



CONSTRUCTIONS: The special co-axial stub and spark gap techniques are used for smooth VSWR and constant 10dBi. gain over entire the 1800 - 1990 MHz frequency band. The JC10-1900 high gain jammer collinear antenna consists of large diameter brass radiating elements stacked vertically, fed in-phase and enclosed in fiber glass housing. The Fiber Glass has excellent transparency for Radio Signal and mechanically Robust to support extra mechanical strength to the jammer collinear antenna. The antenna can also be supplied with olive green colour for defense application.

ELECTRICAL SPECIFICATIONS:

Frequency Range	1800 - 1990 MHz.
Gain at Center Frequency	10 dBi
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms
Radiation Pattern	Omni-Directional
Vertical Beam-width –Half Power Points	9 Degrees
VSWR – Better Than	1:2
RF Power Handling Capacity	200 Watts.
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:

Mounting Hardware Fasteners	Stainless Steel
Weight Approx	1.5 Kgs.
Wind Rating	150 Km/Hr.
Overall Length	1.20 Meters
Shipping Length	1.30 Meters
Support Pipe Outer Diameters	50 mm
Support Pipe Materials	6063T6 Aluminum Alloy
Radiating Materials	All High Quality Brass
Mounting Type	NATO Interface or Customized
Enclosure Materials	Fiberglass
Fiber Glass Enclosure Outer Diameter	44 mm

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, radiation patterns & VSWR graph etc.
Note: All information contained in the datasheet is subject to change without any prior notice.