



# ANTENNA EXPERTS

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Model JC10-1550

1500 – 1600 MHz.

10 dBi. Gain

## HIGH GAIN RCIED JAMMER COLLINEAR ANTENNA

**DESIGN FEATURES:** The JC10-1550 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 of “L” type bracket or on the roof-top hole of the vehicle. Similarly the antenna can also be supplied with pole mounting hardware (optional).

**CONSTRUCTIONS:** The special co-axial stub and spark gap techniques are used for smooth VSWR and constant 10dBi. gain over entire the 1500 - 1600 MHz frequency band. The JC10-1550 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	1500 - 1600 MHz.
Gain	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	150 Watts.
Input Termination	N-Female

### MECHANICAL SPECIFICATIONS:

Mounting Hardware	Stainless Steel
Weight Approx	2 Kgs.
Wind Rating	150 Km/Hr.
Overall Length	1.55 Meters
Shipping Length	1.60 Meters
Support Pipe Outer Diameters	38 mm
Support Pipe Materials	6063T6 Aluminum Alloy
Radiating Materials	All High Quality Brass
Maximum Mount Pipe Diameter	52 mm (2 Inches)
Enclosure Materials	Fiberglass

### ENVIRONMENTAL SPECIFICATIONS:

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

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