



ANTENNA EXPERTS

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Model JC3-1820

1800 – 2000 MHz.

3 dBi. Gain

JAMMER COLLINEAR ANTENNA

DESIGN FEATURES: The JC3-1820 Jammer Collinear Antenna is rugged all weather model, enclosed in a Fiber Glass enclosure, uses high class aluminum alloy and does not require any field tuning or adjustments. This fiber glass jammer collinear antenna is specially designed to mount on the roof-top hole of the vehicle or can be supplied to mount the antenna directly on the jammer equipments. The JC3-1820 antenna is highly suitable for man-pack and vehicle mounting applications. 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 Gain over entire the 1800 - 2000 MHz frequency band. The JC3-1820 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 collinear antenna. The antenna supplied with olive green colour for defense application.



ELECTRICAL SPECIFICATIONS:

Frequency Range	1800 - 2000 MHz.
Gain	3 dBi.
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms
Radiation Pattern	Omni-directional
Vertical Beam-width –Half Power Points	76 Degrees
VSWR	2:1
RF Power Handling Capacity	250 Watts
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:

Wind Rating	200 Km/Hr.
Overall Length	260 mm
Shipping Length	290 mm
Support Pipe Materials	Aluminum
Enclosure Outer Diameter	44 mm
Enclosure Length	190 mm
Radiating Elements - Material	All Brass
Gross Weight	350 Grams

ENVIRONMENTAL SPECIFICATIONS:

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