ANTENNA EXPERTS

E-mail: info@antennaexperts.in Website: www.antennaexperts.in

Model JC10-1850 1800 – 1880 MHz. 10. dBi. Gain

HIGH GAIN JAMMER COLLINEAR ANTENNA

DESIGN FEATURES: The JC10-1850 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 JC10-1850 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 10dBi. gain over entire the 1800 - 1880 MHz frequency band. The JC10-1850 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 can also be supplied with olive green colour for defense application.

ELECTRICAL SPECIFICATIONS:	
Frequency Range	1800 - 1880 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	1:1.5
RF Power Handling Capacity	150 Watts.
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:	
Mounting Hardware	Stainless Steel
Weight Approx	2 Kgs.
Wind Rating	200 Km/Hr..
Overall Length	1.8 Meters
Shipping Length	1.9 Meters
Support Pipe Outer Diameters	38 mm
Support Pipe Materials	Aluminum
Radiating Materials	All Brass
Maximum Mount Pipe Diameter	52 mm (2 Inches)
Enclosure Materials	Fiberglass
Enclosure Outer Diameters	32 mm

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