



ANTENNA EXPERTS

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Model # JCD-0820

800 – 2000 MHz.

2 dBi. Gain

OMNI-DIRECTIONAL JAMMER COAXIAL DIPOLE ANTENNA

DESIGN FEATURES: The JCD-0820 Jammer coaxial dipole antenna is rugged all weather model, enclosed in a ABS radome, uses all 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, receiving including 800/900MHz GSM, GPS L1, GPS L2 and 1800/1900MHz GSM bands 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 coaxial dipole antenna is supplied complete in assembled condition. This discone antenna has smooth VSWR and constant Gain over the 1200-1600 MHz frequency band including 800/900MHz GSM, GPS L1, GPS L2 and 1800/1900MHz GSM bands. The JD-0820 jammer discone 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 antenna.

MOUNTING: Following four options are available to choose from:

(1) Standard NATO 4 holes pattern for military vehicle. (2) Roof-top hole mounting on the vehicle which requires a 16mm hole through roof of the vehicle with N-Female termination. (3) Man-pack mounting; in this you can mount the antenna directly on the equipment with M-male termination. (4) Antenna can be supplied with pole mounting hardware; in this the mounting hardware is suitable for mounting on any outer diameter pipe between 32-51mm.



ELECTRICAL SPECIFICATIONS:

Frequency Range	800 - 2000 MHz.
Gain	2 dBi. Typical
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms.
Radiation Pattern	Omni-directional
Vertical Beam-width -Half Power Points	78 Degrees
VSWR – Better Than	2.5:1
RF Power Handling Capacity	250 Watts.
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:

Wind Rating	200 Km/Hr.
Mounting Type	Vehicle, manpack or side Pole
Overall Length	250 mm
Shipping Length	300 mm
Support Pipe Materials	6063T6 Aluminum Alloy
Insulator Materials	Teflon & Nylon
Enclosure Materials	ABS
Radiating Elements & Support Pipe - Materials	6063T6 Aluminum Alloy
Gross Weight	1 Kg.

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.