



ANTENNA EXPERTS

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Model # JC7-1575

1550 – 1590 MHz.

7 dBi. Gain

OMNI-DIRECTIONAL HIGH GAIN JAMMER COLLINEAR ANTENNA

DESIGN FEATURES: The JC7-1575 Jammer collinear antenna is rugged all weather model, enclosed in a ABS radome, uses all high quality 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 GPS L1 band 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 collinear antenna is supplied complete in assembled condition. This discone antenna has smooth VSWR and constant Gain over the 1550-1590 MHz frequency band including GPS L1 band. The JC7-1575 jammer 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 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. (5) Antenna can be supplied with standard NATO 4 holes mounting with bi-conical spring fitted at the base to absorb the shock/vibration during movement of vehicle.

ELECTRICAL SPECIFICATIONS:

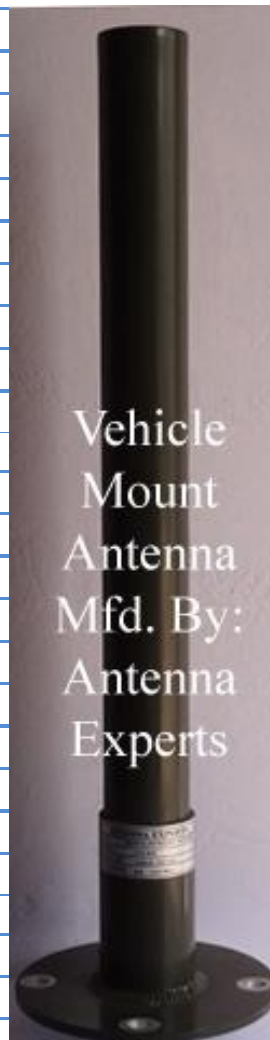
Frequency Range	1550 - 1590 MHz.
Gain	7 dBi.
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms.
Radiation Pattern	Omni-directional
-3dB. Vertical Beam-width	36 Degrees
VSWR – Better Than	1.5:1
RF Power Handling Capacity	150 Watts.
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:

Wind Rating	200 Km/Hr.
Mounting Type	NATO 4 Holes without Spring
Overall Length	500 mm
Shipping Length	550 mm
Support Pipe Materials	6063T6 Aluminum Alloy
Enclosure/Radome Diameter	45 mm
Enclosure Materials	ABS
Radiators & Support Pipe	6063T6 Aluminum Alloy
Gross Weight	1 Kg.
Finish / Color	Olive Green

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 VSWR curve, Radiation Pattern and Image of antenna

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