



ANTENNA EXPERTS

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

Model # JC5-1216

1200 – 1600 MHz.

5 dBi. Gain

OMNI-DIRECTIONAL HIGH GAIN JAMMER COLLINEAR ANTENNA

DESIGN FEATURES: The JC5-1216 Jammer collinear 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 GPS L1 band GPS L2 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 1200-1600 MHz frequency band including GPS L1 and GPS L2 bands. The JC5-1216 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.



ELECTRICAL SPECIFICATIONS:

Frequency Range	1200 - 1600 MHz.
Gain	5 dBi.
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms.
Radiation Pattern	Omni-directional
Vertical Beam-width -Half Power Points	36 Degrees
VSWR – Better Than	2.5:1
RF Power Handling Capacity	150 Watts.
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:

Wind Rating	200 Km/Hr.
Mounting Type	Vehicle, manpack or side Pole
Overall Length	350 mm
Shipping Length	400 mm
Support Pipe Materials	6063T6 Aluminum Alloy
Insulator Materials	Teflon & Nylon
Enclosure Materials	ABS
Radiating Elements & Support Pipe - Materials	6063T6 Aluminum Alloy
Gross Weight	2 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.