



ANTENNA EXPERTS

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

Model # JCM6-1216 1200 – 1600 MHz. 6 dBi. Gain

High Gain Manpack Jammer Collinear Antenna for GPS L1 & GPS L2 Band

DESIGN FEATURES: The JCM6-1216 omni -directional 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 omni 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 JCM6-1216 omni 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: The high gain man pack jammer collinear antenna is designed & supplied Man-pack application. The high gain man pack jammer antenna uses N-Male termination at the base so that same can be mounted directly on the equipment/transmitter. Optional: The antenna can be supplied with spring base if required.



ELECTRICAL SPECIFICATIONS:

Frequency Range	1200 - 1600 MHz.
Gain - Typical	6 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	2:1
RF Power Handling Capacity	50 Watts.
Input Termination	N-Male

MECHANICAL SPECIFICATIONS:

Wind Rating	80 Km/Hr.
Mounting Type	Direct Equipment Mount
Overall Length	500 mm
Shipping Length	550 mm
Support Pipe Materials	6063T6 Aluminum Alloy
Insulator Materials	Teflon & Nylon
Enclosure Materials	ABS
Radiating Elements & Support Pipe - Materials	6063T6 Aluminum Alloy
Gross Weight	500 Grams
Finishing/Color	Olive Green

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.