



# ANTENNA EXPERTS

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Model # JCM6-2530                      2500 – 3000 MHz.                      6 dBi. Gain

## Broadband Omnidirectional Manpack Jammer Collinear Antenna

**DESIGN FEATURES:** The JCM6-2530 broadband manpack jammer collinear antenna is rugged all weather model, enclosed in a ABS radome, uses 6063T6 ultra corrosion resistant aluminum alloy and does not require any field tuning or adjustments. The support pipe and mounting flange are supplied with powder coating finish to protect it further from severe environmental conditions. The compact size of omni-directional antenna allows easy handling, shipping and highly suitable for transmitting, monitoring, scanning and Jamming application 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 manpack jammer collinear antenna is supplied complete in assembled condition. This jammer antenna has smooth VSWR and constant Gain over the 2500-3000 MHz frequency band. The JCM6-2530 jammer collinear 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 manpack jammer collinear 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.

**NOTE:** Part # JCM6-2530-S with spring fitted at base. Add 100mm in overall length and add 250 Grams in gross weight.

### ELECTRICAL SPECIFICATIONS:

Frequency Range	2500 - 3000 MHz.
Gain - Typical	6 dBi.
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms.
Radiation Pattern	Omnidirectional
Vertical Beam-width -Half Power Points	36 Degrees
VSWR – Better Than	2.5:1
RF Power Handling Capacity	50 Watts.
Input Termination	N Type Male

### MECHANICAL SPECIFICATIONS:

Wind Rating	80 Km/Hr.
Mounting Type	Direct Equipment/Tx
Overall Length	350 mm Max
Radiating Elements Position	Upper Portion of Radome
Diameter of Radome	28 mm
Support Pipe Materials	6063T6 Aluminum Alloy
Spring Materials	Steel
Enclosure Materials	ABS
Colour / Finishing	Military Green
Gross Weight	350 Grams

### 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.