



ANTENNA EXPERTS

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

Model # JCM-20-100 20 – 100 MHz. -25 to -10 dBi. Gain Typical

OMNI-DIRECTIONAL JAMMER COLLINEAR ANTENNA (MANPACK APPLICATION)

DESIGN FEATURES: The JCM-20-100 Jammer manpack collinear antenna is rugged all weather model, enclosed in a ABS radome, uses high quality brass radiating elements 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 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 high gain jammer manpack antenna has smooth VSWR Over the VHF 20-100MHz band. The JCM-20-100 jammer manpack 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 with additional cost.

NOTE: Part # JCM-20-100-S with spring fitted at base. Add 100mm in overall length and add 250 Grams in gross weight.

ELECTRICAL SPECIFICATIONS:

Frequency Range	20 - 100 MHz.
Gain	-25 to -10 dBi
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms.
Radiation Pattern	Omni-directional
-3dB. Vertical Beam-width	78 Degrees
VSWR – Better Than	2:1
RF Power Handling Capacity	50 Watts.
Input Termination	N-Male

MECHANICAL SPECIFICATIONS:

Wind Rating	50 Km/Hr.
Mounting Type	Directly on Tx.
Overall Length	2000 mm
Shipping Length	2100 mm
Support Pipe Materials	6063T6 Aluminum Alloy
Enclosure/Radome Diameter	45 to 22 mm
Enclosure Materials	High Strength ABS
Radiators & Support Pipe	6063T6 Aluminum Alloy
Gross Weight	1500 Grams
Finish / Color	Olive Green or Customized

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.