



ANTENNA EXPERTS

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

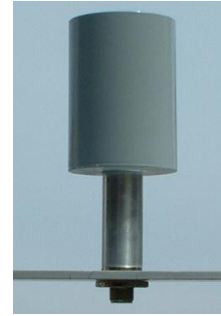
MD-700-2500

700 – 2500 MHz

2.5 dBi. Gain

MULTI BAND ANTENNA

Design Features: MD-700-2500 multi band antenna is rugged all weather model, enclosed in a ABS enclosure, uses high class brass and does not require any field tuning or adjustments. The compact size of omni-directional coaxial dipole antenna allows easy handling, shipping and highly suitable for receiving, transmitting, scanning, monitoring and jamming applications without having the requirement of multiple antennas. This multi band antenna is specially designed to mount the antenna on the vertical pole with mounting hardware supplied with the antenna. The antenna can also be mounted directly on transceiver for man-pack application.



Constructions: The multi band antenna is consisting of large diameter radiating elements stacked vertically and enclosed in ABS enclosure. The special “Choke and Spark Gap” technique is used for smooth VSWR and constant 2.5 dBi. gain over the entire 700-2500 MHz. frequency band. The UV resistant ABS enclosure has excellent transparency for RF signals and enough strength to withstand specified wind loads. The stainless steel mounting hardware is supplied with the antenna.

ELECTRICAL SPECIFICATIONS:

Frequency Range	700 - 2500 MHz.
Gain	2.5 dBi.
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms
Radiation Pattern	Omni-directional
Beam width –Half Power Points	76 Degrees (Vertical)
VSWR	2:1
RF Power Handling Capacity	500 Watts
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:

Materials	All Brass
Mounting Hardware -Materials	Stainless Steel
Wind Rating	200 Km/Hr.
Overall Length	300 mm
Shipping Length	350 mm
Support Pipe Materials	Aluminum
Insulator Materials	Teflon & Nylon
Enclosure Outer Diameter	45 mm
Enclosure Length	200mm
Gross Weight	0.80 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.