



ANTENNA EXPERTS

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CD-100-1000

100 – 1000 MHz.

2 to 0dBi. Gain

MULTI BAND COAXIAL DIPOLE ANTENNA

Design Features: CD-100-1000 multi band coaxial dipole antenna is rugged all weather model, enclosed in a ABS radome, uses high class aluminum alloy 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. Antenna termination and feed cable lie enclosed inside the mounting pipe for complete weather protection.

Constructions: The multi band coaxial dipole antenna is consisting of large diameter radiating elements stacked vertically and enclosed in ABS radome. The special “Choke and Spark Gap” technique is used for smooth VSWR and constant 2 to 0dBi. gain over the entire 100-1000 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	100 - 1000 MHz.
Gain	2 to 0 dBi.
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms.
Radiation Pattern	Omni Directional
Beam width – Half Power Points	78 Degrees (Vertical)
VSWR	1:2.5
RF Power Handling Capacity	500 Watts.
Input Termination	N-female

MECHANICAL SPECIFICATIONS:	
Mounting Hardware	Stainless Steel
Gross Weight	10 Kgs.
Overall Length	1.3 Meters.
Shipping Length	1.3 Meters.
Support Pipe O.D.	38 mm
Support Pipe Materials	Aluminum
Maximum Mount Pipe Diameter	51 mm (2 Inches)
Enclosure Outer Diameter.	160 mm
Enclosure Length	1200 mm

ENVIRONMENTAL SPECIFICATIONS:	
Operating Temperature	(-) 30 to +70 Degrees Celsius
Storage Temperature	(-) 40 to +80 Degrees Celsius
Humidity	0 to 95% RH