ANTENNA EXPERTS

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Model # AWD-500-2000 500 – 2000 MHz. 2 dBi. Gain

WIDE BAND DISCONE ANTENNA

DESIGN FEATURES: AWD-500-2000 wide band discone antenna is specially designed for omni-directional coverage. Due to its low VSWR through entire band from 500-2000 MHz., this discone antenna can be used as a transmitting and receiving antenna with high efficiency, to meet the broadband requirement of a base station antenna such as spectrum monitoring or jamming application. The wide band discone antenna when packed comes with cone and disc elements removed from the antenna body for ease of packing and shipment.

CONSTRUCTIONS: AWD-500-2000 wideband discone antenna is rugged all weather model, does not require any field tuning or adjustments. The compact size of dicone antenna allows easy handling and specially designed mounting hardware results in fast installation. The cone and disc hubs of wide band discone antennas are made of chromium plated brass and all fasteners are of stainless steel. Discone Antenna termination and feed cable lie enclosed inside the mounting pipe for complete weather protection.

ELECTRICAL SPECIFICATIONS:

Frequency Range	500 - 2000 MHz.
Gain	2 dBi
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms.
Radiation Pattern	360 Degrees (Omni)
Vertical Beam-width –Half Power Points.	78 Degrees
VSWR	1:2.5
RF Power Handling Capacity	250 Watts
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:

Materials	Chromium Plated Brass
Mounting Hardware -Materials	Stainless Steel
Weight Approx	2 Kgs.
Wind Rating	190 Km/Hr.
Overall Length	355 mm
Shipping Length	400 mm
Support Pipe Materials	Powder Coated Aluminum
Insulator Materials	Teflon & Nylon
Maximum Mount Pipe Diameter	52 mm (2 Inches)

ENVIRONMENTAL SPECIFICATIONS:

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

Please contact us for further information like Azimuth & Elevation radiation patterns and frequency Vs VSWR graph.