



# ANTENNA EXPERTS

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AWD-100-3000

100 – 3000 MHz.

2.5 dBi. Gain

## MULTI BAND OMNI-DIRECTIONAL DISCONE ANTENNA

**Design Features:** AWD-100-3000 multi band discone antenna is specially designed for omni directional coverage. Due to its low VSWR through entire band from 100-3000 MHz, this multi band 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 applications. The multi band discone antenna when packed, comes with cone and disc elements removed from the antenna body for ease of packing and shipment.

**Constructions:** AWD-100-3000 multi band discone antenna is rugged all weather model, does not require any field tuning or adjustments. The compact size of multi band antenna allows easy handling and specially designed mounting hardware results in fast installation. The cone and disc hubs of multi band discone antennas are made of chromium plated brass and all fasteners are of stainless steel. Multiband discone antenna termination and feed cable lie enclosed inside the mounting pipe for complete weather protection.



### **ELECTRICAL SPECIFICATIONS:**

Frequency Range	100 - 3000 MHz.
Gain	2.5 dBi.
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms.
Radiation Pattern	Omni-directional
Vertical Beam-width –Half Power Points	78 Degrees
VSWR	2.5:1
RF Power Handling Capacity	500 Watts
Input Termination	N-Female

### **MECHANICAL SPECIFICATIONS:**

Materials	Aluminum and Brass
Mounting Hardware -Materials	Stainless Steel
Wind Rating	200 Km/Hr.
Overall Length	0.9 Meter
Shipping Length	1.0 Meter
Support Pipe Materials	Powder Coated MS
Elements - Materials	Aluminum -Round Tube
Insulator Materials	Teflon & Nylon
Maximum Mount Pipe Diameter	51 mm (2 Inches)
Gross Weight	7.5 Kgs.

### **ENVIRONMENTAL SPECIFICATIONS:**

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