



ANTENNA EXPERTS

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Model # AWD-118-400

118 – 400 MHz.

2 dBi. Gain

VHF/UHF Aviation Band Discone Antenna

DESIGN FEATURES: AWD-118-400 aviation band discone antenna is specially designed for Omni directional coverage. Due to its low VSWR through entire band from 118-400 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 at ATC sites. The air band discone antenna when packed comes with Cone and Disc elements removed from the antenna body for ease of packing and shipment.

CONSTRUCTIONS: AWD-118-400 aviation band discone antenna is rugged all weather model, does not require any field tuning or adjustments and ideal for severe weather conditions at airports. The cone and disc hubs of air band discone antennas are made of chromium plated brass and all fasteners are of stainless steel. The compact size of discone antenna allows easy handling and specially designed mounting hardware results in fast installation. Discone Antenna termination and feed cable lie enclosed inside the mounting pipe for complete weather protection.



ELECTRICAL SPECIFICATIONS:

Frequency Range	118 - 400 MHz.
Gain	2 dBi.
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms
Radiation Pattern	Omni-Directional
Vertical Beam-width –Half Power Points	78 Degrees
VSWR – Better Than	1.5:1
RF Power Handling Capacity	500 Watts
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:

Antenna Materials	Brass & Aluminum
Mounting Hardware	Stainless Steel
Gross Weight	3 Kgs.
Wind Rating	220 Km/hr.
Overall Length	0.75 Meter
Shipping Length	1.0 Meter
Support Pipe Materials	Powder Coated Aluminum
Radiating Elements – Materials	Powder Coated Aluminum- Tube
Insulator Material	Teflon & Nylon
Maximum Mount Pipe Diameter	52 mm (2 Inches)

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature	(-) 30 to +75 Degrees Celsius
Storage Temperature	(-) 40 to +85 Degrees Celsius
Humidity	0 to 95% RH

Note: All information contained in the datasheet is subject to change without any prior notice.