



ANTENNA EXPERTS

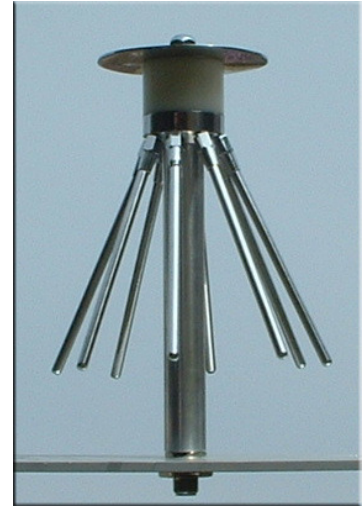
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Model AWD-312 225 – 400 MHz. Unity Gain

SHIPBOARD DISCONE ANTENNA

Design Features: The AWD-312 Shipboard Discone Antenna is designed for broad-band omni-directional ground-based communications with aircraft. Discone Antenna is extended for used to communicate with UHF command radio sets in aircraft and such ground UHF stations in the terminal area. This shipboard antenna is designed for maximum vertical beamwidth to communicate with long range and nearby aircraft.

Constructions: AWD-312 Shipboard Discone Antenna is rugged all weather model, uses high-grade brass material and does not require any field tuning or adjustments. The Discone antenna when packed, comes with Cone and Disc elements removed from the antenna body for ease of packing and shipment. The mounting Hardware of shipboard antenna is made very versatile which is suitable to mount the antenna upto 52 mm dia pipe.



ELECTRICAL SPECIFICATIONS	
Frequency Range	225 - 400 MHz
Gain	Unity (2.14 dBi)
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms.
Radiation Pattern	Omni Directional
Beamwidth – Half Power Points	80 Degrees (Vertical)
VSWR	1:1.5
RF Power Handling Capacity	500 Watts
Input Termination	N-Female

MECHANICAL SPECIFICATIONS	
Material	All Brass
Mounting HW	Stainless Steel
Weight	6 Kgs.
Wind Rating	200 km/Hr
Overall Length	0.5 Meter
Shipping Length	0.6 Meter
Insulator Material	Teflon
Maximum Mount Pipe Diameter	52 mm (2 Inches)

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