



ANTENNA EXPERTS

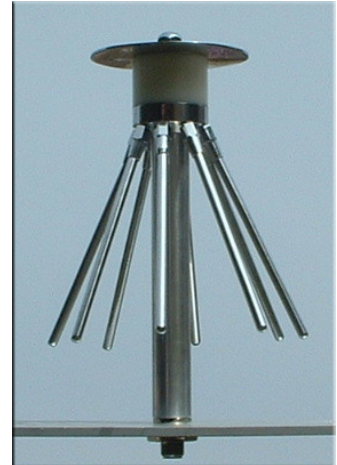
E-mail: info@antennaexperts.in Website: www.antennaexperts.in

Model AWD-127 117 – 137 MHz. Unity Gain

SHIPBOARD DISCONE ANTENNA

Design Features: The AWD-127 Shipboard Discone Antenna is designed for broad-band omni-directional ground-based communications with aircraft. This Discone Antenna is extended for used to communicate with VHF command radio sets in aircraft and such ground VHF stations in the terminal area. This discone antenna is designed for maximum vertical beamwidth to communicate with long range and nearby aircraft.

Constructions: AWD-127 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	117 - 137 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 Approx	7 Kgs.
Wind Rating	200 Km/Hr.
Overall Length	1 Meter
Shipping Length	1.2 Meters
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