

# Instruction Sheet

## HDDA5W

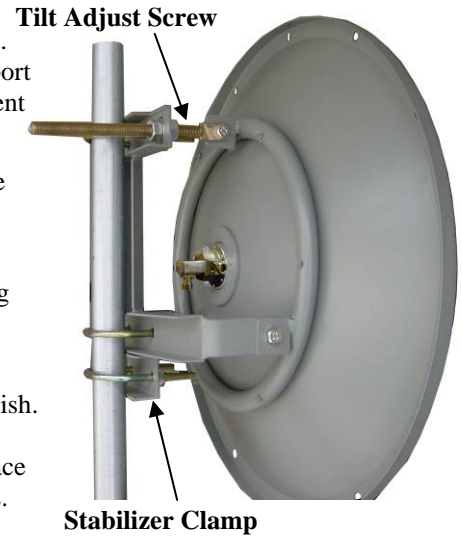
### Single/Dual Polarity Parabolic Dish Antennas

**Step 1:** Place the stabilizer clamp on the pole just below where the antenna will be mounted. This clamp helps to stabilize the antenna during assembly and also gives added vertical support during use. Attach the pole mount bracket assembly to the pole. Assemble with tilt adjustment screw towards the top as shown.

**Step 2:** Attach the dual polarity feed to the dish: Remove the existing center flange from the dish by removing 4 screws.

- For a Single Polarity Dish, the feed assembly can be installed directly. When N connector is pointing up or down it is Vertical Polarity. When N Connector is pointing left or right, it is Horizontal Polarity.
- For a Dual Polarity Dish, the N Connector OMT assembly must be removed from the tube assembly by removing 6 screws. Mount the tube assembly onto the front of the dish. Note the correct tube orientation for Vertical Polarity. When back screw holes are aligned vertically, the tube is setup for vertical polarization. Ensure the Oring is in place and then mount the N Connector OMT assembly to the tube flange using the 6 screws. Orientation should be with back N Connector pointing down or up.

**Step 3:** Attach the dish assembly to the pole mounted bracket using 3 bolts, lockwashers and nuts provided. Be sure to mount the tilt adjust screw on the correct side of the antenna flange as shown for proper operation. The dish and bracket can be pre-assembled and then mounted to the pole if desired.



Remove Center Dish Flange



Mount Feed from Front of Dish



Tube flange orientation for Dual Polarity Feed



Properly installed Dual Polarity OMT Assy

Parameter		Min	Typ	Max	Units
<b>Frequency Range</b>	HDDA5W	5150		5850	MHz
<b>Gain</b>	HDDA5W-29 HDDA5W-32		29 32		dBi
<b>VSWR</b>			1.8:1		
<b>3db Beam Angle</b>	HDDA5W-29 HDDA5W-32		6 4		Deg
<b>Front to Back</b>	HDDA5W	30			dB
<b>Impedance</b>			50		OHM
<b>Input Power</b>				100	W
<b>Pole Diameter (OD)</b>		1.5 (38)		3.0 (76)	Inch (mm)
<b>Operating Temp</b>		-40		+70	Deg C
<b>Weight</b>	HDDA5W-29 HDDA5W-32		11 (5) 22 (10)		Lbs (Kg)
<b>Dimensions (Dia)</b>	HDDA5W-29 HDDA5W-32		25.5 (648) 35.4 (900)		Inch (mm)

#### Wind Loading

Model	Wind Speed	Lb
<b>DA5W-29</b>	100 MPH	113
	125 MPH	177
<b>DA5W-32</b>	100 MPH	256
	125 MPH	400