

3 Meter VSAT Antenna

- 1) Double shape ring-focus
- 2) Both available are C-Band and Ku-Band
- 3) Both available are linear polarization and circular polarization
- 4) Both available are manual and motorized
- 5) High gain and excellent side beam performance
- 6) Factory kingpost pedestal and feed system assembly, in order to reduce installation time
- 7) Well in anti-corrosion
- 8) Strong in stability
- 9) Custom made product

SPECIFICATIONS	3.0 meter VSAT Antenna			
	C-RECEIVE	C-TRANSMIT	Ku-RECEIVE	Ku-TRANSMIT
Frequency (GHz)	3.4-4.2	5.85-6.725	10.95-12.75	13.75-14.5
Typical Gain (dBi)	39.87	43.91	49.42	50.73
VSWR	1.25:1			
10° Elevation	38		43	
20° Elevation	31		38	
40° Elevation	26		34	
Beamwidth:-3dB	1.668°	1.047°	0.555°	0.478°
-15dB	3.336°	2.094°	1.111°	0.955°
Tx-Rx	≥85dB			
Power Handling		5KW/Port		1KW/Port
Feed interface	CPR-229G	CPR-159G/137G	WR-75	
Feed Insertion Loss	0.25dB	0.2dB	0.25dB	
Antenna Noise Temperature (° K)	2Port Feed			
Sidelobes	CCIR. 580-4			
Cross Polarization Isolation (on axis)	≥35dB			
Environmental				
Operational Winds	45mi/h (72km/h) gusts to 60mi/h (97km/h)			
Survival Winds	125mi/h (200km/h)			
Relative humidity	0% to 100%			
Ambient Temperature	-45° to 60°			
Seismic (Survival)	0.3G s horizontal 0.15G s vertical			
Mechanical				
Antenna Optics	Ring-focus antenna			
Elevation Travel	0° to 90°			
Azimuth Travel	360°			
Surface Accuracy	0.5mm (R. M. S)			