

**1.2m Ku RxTx Class I Antenna System
Perfectly designed for economical deployment of VSAT system**



Product Specifications

- Fine azimuth and elevation adjustment features
- ISO 9001:2015 Certificate of Registration
- Meets or exceeds regulatory agency requirements

Specifications

RF Performance

Effective Aperture	1.2m (48 in)
Operating Frequency	Tx 13.75 - 14.50 GHz
	Rx 10.70 - 12.75 GHz
Polarization	Linear
Gain (± 0.3 dB)	Tx 43.3 dBi @ 14.3 GHz
	Rx 41.8 dBi @ 12.0 GHz
3dB Beamwidth	Tx 1.2° @ 14.3 GHz
	Rx 1.5° @ 12.0 GHz
Sidelobe Envelope (Tx, Co-Pol dBi)	
	100 $\lambda/D < \Theta < 20^\circ$ 29 - 25 Log Θ dBi
	20° < $\Theta < 26.3^\circ$ -3.5 dBi
	26.3° < $\Theta < 48^\circ$ 32-25 Log Θ dBi
	48° < $\Theta < 180^\circ$ -10 dBi
Antenna Cross-Polarization	30 dB in 1 dB contour

Mechanical Performance

Antenna Optics	One-Piece Offset Feed Prime Focus Mount
Type	Elevation over Azimuth Elevation
Adjustment Range	5° - 90° Continuous Fine Adjustment Azimuth
Adjustment Range	360° Continuous, $\pm 5^\circ$ Fine Mast Pipe
Interface	73.2 mm (2.88 in) or 76 mm (3.00 in) Diameter O.D.
Wind Loading	
Operational	56 km/h (35 mph)
Survival	201 km/h (125 mph)
Temperature	-50°C to 80°C
Humidity	0 to 100% (Condensing) Atmosphere
Standard Hardware Meets 720 Hour	
Salt Spray Test Requirements (ASTM B-117) Solar Radiation	
360 BTU/h/ft2 Shock and Vibration \approx Encountered During Shipping and Handling	