

1.2m Special Ku-Band VSAT Antenna



Features:

- High gain and excellent sidelobe performance
- Factory feed system and king post pedestal assembled to reduce installation time ▪
No field alignment requirement ▪
Well in anti-corrosion
- Excellent in stability

1.2m Special Ku-Band VSAT Antenna Specifications

◆ R.F SPECIFICATIONS	Special Ku-Band		
	RECEIVE	TRANSMIT	
1. Frequency (GHz)	41.17 at 11.3GHz	1.247°	
2. Typical Gain(dBi)			
3. VSWR			
4. Beamwidth (-3dB)			
5. Antenna Noise Temperature(K)	2Port Feed	20.95dB/K (11.3GHz, 70K LNA)	
10°Elevation	61K		
20°Elevation			
40°Elevation			
6. Typical G/T at 20°EL	0.5dB	1KW/Port	
7. Power Handling Capability		WR-75	
8. Feed Interface		0.3dB	
9. Feed Interface Loss			
10. Rx to Tx Isolation	CCIR.580-6		
11. Cross Pol Isolation			
On Axis			
12. Sidelobes			
◆ MECHANICAL SPECIFICATION		◆ ENVIRONMENTAL SPECIFICATION	
1. Antenna Type	Offset	45mph(72km/h)	
2. Drive Type	Manual	2. Wind Loading,Operational (Decrease Precision) 60mph(97km/h)	
3. AZ Travel	0 to 360°	125mph(200km/h)	
4. EL Travel	10° to 90°	4. Ambient Temperature -40°C to 60°C	
5. POL Travel	±90°	100mm/h	
6. Reflector Material	Precision formed aluminum	6. Relative Humidity 0 to 100%	
7. Reflector Segments	1	7. Solar Radiation	
8. Mount Type	Pole mount	8. Ice	
9. Surface Accuracy	0.5mm(R.M.S)	9. Shock and vibration As encountered during shipment by commercial air, sea or truck	
		10.Seismic (Survival)	