

5.36m C/Ku-Band Rx Only Antenna



Features:

- Dual shape ring-focus design
- Aluminum major reflector & sub reflector with high precision
- 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

5.36m C/Ku-Band Rx Only Antenna Specifications

◆ R.F SPECIFICATIONS	C-Band	Ku-Band
	RECEIVE	RECEIVE
	3.625-4.2	12.25-12.75
	3.4-4.2 ★	10.95-12.75 ★
	45.03 at 3.8GHz	55.05 at 12.5GHz
	1.25:1	1.3:1
	0.921°	0.290°
5. Antena Noise Temperature(K)	1/2Port Feed	1/2Port Feed
10° Elevation	34K	40K
20° Elevation	29K	35K
40° Elevation	25K	31K
6. Typical G/T at 20°EL	27.32dB/K(3.8GHz, 30K LNA)	34.84dB/K(12.5GHz, 70K LNA)
7. Feed Interface	CPR-229	WR-75
8. Feed Insertion Loss	0.2dB	0.25dB
9. Axial Ratio (dB)	0.75dB	1dB
10. Cross Pol Isolation		
On Axis	≥30dB	≥30dB
11. Sidelobes	CCIR.580-6	CCIR.580-6
◆ MECHANICAL SPECIFICATION		◆ ENVIRONMENTAL SPECIFICATION
1. Antenna Type	Dual-reflector	1. Wind Loading,Operational (Maintain Precision)
2. Drive Type	Manual/Motorized	60mph(72km/h)
3. AZ Travel	±85°(3 segments) / ±90°(2 segments)	65mph(105km/h)
4. EL Travel	5° to 90°	125mph(200km/h)
5. POL Travel	±90°	-40°C to 60°C
6. Reflector Material	Precision formed aluminum	100mm/h
7. Reflector Segments	14	6. Relative Humidity
8. Mount Type	King post pedestal	7. Solar Radiation
		8. Ice
		9. Shock and Vibration
		10. Seismic (Survival)
		As encountered during shipment by commercial air, sea or truck