

2.4m C/Ku-Band Rx Only Antenna



Features:

- Aluminum reflector with high precision ▪ Fashionable design, easy installation and adjustment
- Factory king post pedestal assembled to reduce installation time ▪ Excellent in stability

2.4m C/Ku-Band Rx Only Antenna Specifications

◆ R.F SPECIFICATIONS	C-Band	Ku-Band
	RECEIVE	RECEIVE
1. Frequency (GHz)	3.625-4.2 3.4-4.2 ★	12.25-12.75 10.95-12.75 ★
2. Typical Gain (dBi)	38.05 at 3.8GHz	48.07 at 12.5GHz
3. VSWR	1.3:1	1.3:1
4. Beamwidth (-3dB)	2.056°	0.649°
5. Antenna Noise Temperature (K)	1/2Port Feed	1/2Port Feed
10° EL	38K	43K
20° EL	31K	38K
40° EL	27K	34K
6. Typical G/T at 20°EL	20.20dB/K(3.8GHz, 30K LNA)	27.74dB/K(12.5GHz, 70K LNA)
7. Feed Interface	CPR-229	WR-75
8. Feed Insertion Loss	0.25dB	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	Prime-focus	1. Wind Loading,Operational (Maintain Precision)
2. Drive Type	Manual	45mph(72km/h)
3. AZ Travel	0 to 360°	60mph(97km/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	9	6. Relative Humidity
8. Mount Type	Pole mount	0 to 100%
		7. Solar Radiation
		8. Ice
		9. Shock and Vibration
		As encountered during shipment by commercial air, sea or truck
		10. Seismic (Survival)