

4.3m C/Ku-Band Rx Only Antenna



Features:

- Aluminum reflector with high precision
- Fashionable design, easy installation and adjustment
- Factory feed system and king post pedestal assembled to reduce installation time
- No Field alignment required
- Excellent in stability

4.3m 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)	43.12 at 3.8GHz	53.14 at 12.5GHz
3. VSWR	1.25:1	1.3:1
4. Beamwidth (-3dB)	1.148°	0.362°
5. Antenna Noise Temperature (K)	1/2Port Feed	1/2Port Feed
10° Elevation	35K	41K
20° Elevation	30K	36K
40° Elevation	26K	32K
6. Typical G/T at 20°EL	25.34dB/K(3.8GHz, 30K LNA)	32.88dB/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	Prime-focus	1. Wind Loading,Operational (Maintain Precision)
2. Drive Type	Manual / Motorized	45mph(72km/h)
3. AZ Travel	0 to 360° / ±85°(2 segments)	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	16	6. Relative Humidity
8. Mount Type	King post pedestal	7. Solar Radiation
		8. Ice
		25mm on all surface or 13mm on all surface with
		9. Shock and Vibration
		10. Seismic (Survival)