

2.2m C/Ku/S-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

2.2m C/Ku/S-Band Rx Only Antenna Specifications

◆ R.F SPECIFICATIONS	C-Band	Ku-Band	S-Band
	RECEIVE	RECEIVE	RECEIVE
1. Frequency (GHz)	3.625-4.2 3.4-4.2 ★	12.25-12.75 10.95-12.75 ★	2.2-2.6
2. Typical Gain (dBi)	37.30 at 3.8GHz	47.32 at 12.5GHz	≥31
3. VSWR	1.3:1	1.3:1	≤1.8:1
4. Beamwidth (-3dB) Half Power Beamwidth	2.243°	0.708°	≤3.7°
5. Antenna Noise Temperature (K)	1/2Port Feed	1/2Port Feed	
10° Elevation	37K	42K	
20° Elevation	32K	37K	
40° Elevation	28K	33K	
6. Typical G/T at 20°EL	19.37dB/K(3.8GHz, 30K LNA)	27.02dB/K(12.5GHz, 70K LNA)	
7. Feed Interface	CPR-229	WR-75	N/SMA
8. Feed Insertion Loss	0.15dB	0.2dB	0.2/0.15dB (do not include cable insertion loss)
9. Axial Ratio (dB)	0.75dB	1dB	≤2dB
10. Cross Pol Isolation On Axis	≥30dB	≥30dB	19dB
11. Sidelobes	CCIR.580-6	CCIR.580-6	CCIR.580-6
◆ MECHANICAL SPECIFICATION		◆ ENVIRONMENTAL SPECIFICATION	
1. Antenna Type	Prime-focus	1. Wind Loading,Operational (Maintain Precision)	45mph(72km/h)
2. Drive Type	Manual	2. Wind Loading,Operational (Decrease Precision)	60mph(97km/h)
3. AZ Travel	0 to 360°	3. Wind Loading,Survival (Fixed Heavenward)	125mph(200km/h)
4. EL Travel	5° to 90°	4. Ambient Temperature	-40°C to 60°C
5. POL Travel	±90°	5. Rain	100mm/h
6. Reflector Material	Precision formed aluminum	6. Relative Humidity	0 to 100%
7. Reflector Segments	9	7. Solar Radiation	360 BTU/h/ft² (1000Kcal/h/m²)
8. Mount Type	Pole mount	8. Ice	25mm on all surface or 13mm on all surface with 130km/h wind gusts
		9. Shock and Vibration	As encountered during shipment by commercial air, sea or truck
		10. Seismic (Survival)	0.3G's horizontal, 0.15G's vertical