

9.0m 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

9.0m 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)	49.53 at 3.8GHz	59.55 at 12.5GHz
3. VSWR	1.25:1	1.3:1
4. Beamwidth (-3dB)	0.548°	0.173°
5. Antenna Noise Temperature (K)	1/2Port Feed	1/2Port Feed
10° Elevation	32K	38K
20° Elevation	27K	33K
40° Elevation	23K	29K
6. Typical G/T at 20°EL	31.97dB/K (3.8GHz, 30K LNA)	39.42dB/K (12.5GHz, 70K LNA)
7. Feed Interface	CPR-229	WR-75
8. Feed Insertion Loss	0.2dB	0.25dB
9. Tx to Rx Isolation	≥85dB	≥85dB
10. Axial Ratio (dB)	0.75dB	1dB
11. Cross Pol Isolation		
On Axis	≥30dB	≥30dB
12. Sidelobes	CCIR.580-6	CCIR.580-6
◆ MECHANICAL SPECIFICATION		◆ ENVIRONMENTAL SPECIFICATION
1. Antenna Type	Dual-reflector	60mph(97km/h)
2. Drive Type	Motorized	65mph(105km/h)
3. AZ Travel	±95°(2 segments)	125mph(200km/h)
4. EL Travel	5° to 90°	-40°C to 60°C
5. POL Travel	±90°	5. Rain
6. Reflector Material	Precision formed aluminum	100mm/h
7. Reflector Segments	16	6. Relative Humidity
8. Mount Type	King post pedestal	0 to 100%
		7. Solar Radiation
		8. Ice
		9. Shock and Vibration
		0.3G's horizontal, 0.15G's vertical