

3.0m 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

3.0m 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)	39.99 at 3.8GHz	50.01 at 12.5GHz
3. VSWR	1.3:1	1.3:1
4. Beamwidth (-3dB)	1.645°	0.519°
5. Antenna Noise Temperature (K)	1/2Port Feed	1/2Port Feed
10° EL	36K	42K
20° EL	31K	37K
40° EL	27K	33K
6. Typical G/T at 20°EL	22.14dB/K(3.8GHz, 30K LNA)	29.72dB/K(12.5GHz, 70K LNA)
7. Feed Interface	CPR-229	WR-75
8. Feed Insertion Loss	0.15dB	0.2dB
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		
1. Antenna Type	Prime-focus	1. Wind Loading,Operational (Maintain Precision) 45mph(72km/h)
2. Drive Type	Manual	60mph(97km/h)
3. AZ Travel	0 to 360°	125mph(200km/h)
4. EL Travel	5° to 90°	-40°C to 60°C
5. POL Travel	±90°	100mm/h
6. Reflector Material	Precision formed aluminum	6. Relative Humidity 0 to 100%
7. Reflector Segments	12	7. Solar Radiation
8. Mount Type	King post pedestal	8. Ice
		9. Shock and Vibration As encountered during shipment by commercial air, sea or truck
		10. Seismic (Survival)