

16.0m C/Ku-Band Rx Only Antenna



Features:

- Cassegrain design
- Aluminum major reflector & sub reflector with high precision
- Factory feed system and king post pedestal assembled to reduce installation time
- No field alignment requirement ▪ Well in anti-corrosion ▪ Excellent in stability

16.0m C/Ku-Band Rx Only Antenna Specifications

◆ R.F SPECIFICATIONS	C-Band	Ku-Band
	RECEIVE	RECEIVE
1. Frequency (GHz)	3.625-4.2	12.25-12.75
	3.4-4.2 ★	10.95-12.75 ★
2. Typical Gain (dBi)	54.53 at 3.8GHz	64.55 at 12.5GHz
3. VSWR	1.25:1	1.3:1
4. Beamwidth (-3dB)	0.308°	0.097°
5. Antenna Noise Temperature (K)	1/2Port Feed	1/2Port Feed
10° Elevation	29K	35K
20° Elevation	25K	31K
40° Elevation	22K	28K
6. Typical G/T at 20°EL	37.13dB/K (3.8GHz, 30K LNA)	44.51dB/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		
1. Antenna Type	Cassegrain	1. Wind Loading,Operational (Maintain Precision)
2. Drive Type	Motorized	60mph(97km/h)
3. AZ Travel	±150°	65mph(105km/h)
4. EL Travel	0° 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	80	6. Relative Humidity
8. Mount Type	Turntable 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)