

13.0m L&C Dual-Band Rx Only Antenna



Features:

- Dual shape ring-focus design
- Carbon fiber reflector with high precision ▪
High gain and excellent sidelobe performance
- No field alignment requirement
- Well in anti-corrosion
- Excellent in stability

13.0m L&C Dual-Band Rx Only Antenna Specifications

◆ R.F SPECIFICATIONS	C-Band	L-Band
	RECEIVE	RECEIVE
1. Frequency (GHz)	3.4-4.2 51.6 at 3.8GHz 1.3:1 0.43°	1.518-1.559 43.0 at 1.5385GHz 1.3:1 1.1°
5. Antenna Noise Temperature (K) 10° Elevation	≤44K CPR-229 ≤0.3dB	≤50K N-Female ≤1dB
8. Polarization	Dual Linear POL	LHCP
9. Cross Pol Performance	Cross Pol Isolation	Circular Pol aixal ratio
10. Axial Ratio On Axis	≤2dB ≥35dB	≤2dB ≥35dB
11. Sidelobes	≤-14dB	≤-14dB
◆ MECHANICAL SPECIFICATION		◆ ENVIRONMENTAL SPECIFICATION
1. Antenna Type	Dual-reflector	1. Wind Loading,Operational (Maintain Precision) steady wind 20m/s, gust 27m/s
2. Drive Type	Mororized	steady wind 27m/s, gust 32m/s
3. AZ Travel	±90°	3. Wind Loading,Survival (Fixed Heavenward) 56m/s, antenna locked upwards
4. EL Travel	0° to 90°	4. Ambient Temperature outdoor -40°C to 60°C
5. POL Travel	±90°	indoor 0°C to 40°C
6. Reflector Material	Precision formed aluminum	5. Rain 100mm/h
7. Reflector Segments	54	6. Relative Humidity outdoor 0 to 100%
8. Mount Type	King post pedestal	indoor 10 to 95%
		7. Solar Radiation 360 BTU/h/ft² (1000Kcal/h/m²)
		8. Ice above 25mm