

2.4m Foldable Carbon Fiber Vehicle-mounted Antenna



Features:

- Dual shape ring-focus design
- Carbon fiber reflector with high precision ▪
High gain and excellent sidelobe performance
- Well in anti-corrosion
- Excellent in stability

2.4m C/Ku-Band Foldable Carbon Fiber Vehicle-mounted Antenna Specifications

◆ R.F SPECIFICATIONS	C-Band		Ku-Band	
	RECEIVE	TRANSMIT	RECEIVE	TRANSMIT
1. Frequency (GHz)	3.625-4.2 3.4-4.2 ★	5.85-6.425 5.85-6.725 ★	12.25-12.75 10.95-12.75 ★	14-14.5 13.75-14.5 ★
2. Typical Gain (dBi)	38.05 at 3.8GHz	41.7 at 6.0GHz	48.07 at 12.5GHz	48.86 at 14.25GHz
3. VSWR	1.25:1	1.25:1	1.25:1	1.25:1
4. Beamwidth (-3dB)	2.056°	1.352°	0.649°	0.592°
5. Antenna Noise Temperature (K)	2Port Feed		2Port Feed	
10° Elevation	38K		43K	
20° Elevation	31K		38K	
40° Elevation	27K		34K	
6. Typical G/T at 20°EL	20.20dB/K (3.8GHz, 30K LNA)		27.74dB/K (12.5GHz, 70K LNA)	
7. Power Handling Capability		5KW/Port		1KW/Port
8. Feed Interface	CPR-229	CPR-137	WR-75	WR-75
9. Feed Insertion Loss	0.25dB	0.2dB	0.25dB	0.25dB
10. Rx to Tx Isolation	≥85dB		≥85dB	
11. Axial Ratio (dB)	1.5dB	1.0dB		
12. Cross Pol Isolation	≥35dB		≥35dB	
On Axis	CCIR.580-6		CCIR.580-6	