

0.5m Ku-Band Aluminum Flyaway Antenna



Features:

- 4 carbon fiber panels
- High gain and excellent sidelobe performance
- 5 minutes setup
- Easy & fast elevation adjustment

0.5m Ku-Band Aluminum Flyaway Antenna Specifications

◆ R.F SPECIFICATIONS	Ku-band	
	RECEIVE	TRANSMIT
1. Frequency (GHz)		
2. Typical Gain (dBi)	34.45 at 12.5GHz	35.24 at 14.25GHz
3. VSWR	1.25:1	
4. Beamwidth (-3dB)	3.113°	2.842°
5. Antenna Noise Temperature (K)		
10° Elevation		
20° Elevation	37K	
40° Elevation	32K	
6. Typical G/T at 20°EL	17.8dB/K (12.5GHz, 70K LNA)	
7. Power Handling Capability		
8. Feed Interface		
9. Feed Insertion Loss	0.25dB	0.2dB
10. Rx to Tx Isolation	≥85dB	
11. Cross Pol Isolation	≥35dB	
On Axis	CCIR.580-6	
12. Sidelobes		
◆ MECHANICAL SPECIFICATION		◆ ENVIRONMENTAL SPECIFICATION
1. Antenna Type	Offset	1. Wind Loading,Operational ≅ 35mph(54km/h)
2. Drive Type	Manual	2. Ambient Temperature -40°C to 60°C
3. AZ Travel	0 to 360°	3. Rain 100mm/h
4. EL Travel	10° to 90°	4. Relative Humidity 0 to 100%
5. POL Travel	±90°	5. Solar Radiation
6. Reflector Material	Precision formed aluminum	6. Ice 25mm on all surface or 13mm on all surface with 130km/h wind gusts
7. Reflector Segments	4	
8. Mount Type	Back-pack	
9. Surface Accuracy	0.5mm(R.M.S)	