

PRIMECOM



0.9m Aluminum/Carbon Fiber Flyaway Antenna

Features:

- 6 aluminum or carbon fiber panels
- High gain and excellent sidelobe performance
- 5 Minutes Setup
- Easy & fast fine elevation adjustment
- Nylon backpack case for back-pack type

◆ R.F SPECIFICATIONS	Ku-Band	
	RECEIVE	TRANSMIT
1. Frequency(GHz)	12.25-12.75 10.95-12.75 ★	14-14.5 13.75-14.5 ★
2. Typical Gain(dBi)	39.55 at 12.5GHz	40.34 at 14.25GHz
3. VSWR	1.25:1	1.25:1
4. Beamwidth (-3dB)	1.730°	1.580°
5. Typical G/T at 20°EL	19.18dB/K (12.5GHz, 70K LNA)	
6. Power Handling Capability	1KW/Port	
7. Feed Interface	WR-75	WR-75
8. Feed Insertion Loss	0.25dB	0.2dB
9. Tx to Rx Isolation	≥85dB	
10. Cross Pol Isolation	≥35dB CCIR.580-5	
11. Sidelobes	On Axis	
◆ MECHANICAL SPECIFICATION		◆ ENVIRONMENTAL SPECIFICATION
1. Antenna Type	Offset	1. Wind Loading, Operational ≤34mph(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 360 BTU/h/ft (1000kcal/h/m)
6. Reflector Material	Precision formed aluminum / Carbon fiber	6. Ice 25mm on all surface or 13mm on all surface with 130km/h wind gusts
7. Reflector Segments	6	7. Shock and Vibration As encountered during shipment by commercial air, sea or truck
8. Mount Type	Back-pack /Tripod	8. Seismic(Survival) 0.3G' s horizontal, 0.15G 's vertical
9. Surface Accuracy	0.5mm / 0.3mm (R.M.S)	