



**EUROSATCOM**  
VSATECH ASSOCIÉ

SATCOM EQUIPMENT SUPPLIER

# FLYAWAY ANTENNA

## Ka Band Manual 1.2 METERS

**System composition** 1. Single offset reflector antenna, 6 segments.  
AZ & EL pedestal, feed, feed support arm, support legs etc.

### System features

- Superior RF perf. through optimization design of reflector and RF branch.
- Utilization rate of carbon fiber is up to 80%, the reflector has light weight, high strength, convenient and simple in disassembly and assembly and one person can finish the installation within 5 minutes.
- Fast and high-quality band width transmission with transmission band width not less than 20M anywhere and anytime.
- High integration, light weight.
- No tool is needed in assembly & disassembly of the antenna and interchangeability is good.



Name		1.2m Ka manual flyaway	Antenna feed	Offset
Type		MF-1200N1-A	POL mode	Circular
Frequency		Rx: 17.70~21.20GHz	Gain	Rx: ≥45.2+20lg(f/20.40)dBi
		Tx: 27.50~31.00GHz		Tx: ≥48.5+20lg(f/30.00)dBi
Port isolation		Rx-Tx ≥ 85 dB （LNB input）	VSWR	Rx: ≤ 1.5
		Tx-Rx ≥ 30 dB （BUC output）		Tx: ≤ 1.5
Axial ratio		≤ 2 dB	1 <sup>st</sup> side lobe	≤ -14 dB
Motion range	AZ	360°	Power capacity	≤1000 W
	EL	0° ~ 90°	RF interface	Rx: WR42
	POL	Circular		Tx: WR28
Operating temp.		-40℃~+60 ℃	Operating wind velocity	≤11 m/s （Ballasting ）
Storage temp.		-50℃~+70 ℃	Survival wind velocity	≤18 m/s （Ballasting ）
Humidity		No more than 95% （20 ℃）	Protection grade	IP 65
System weight		≤25Kg （excluding BUC、LNB、packaging and accessories etc）		