



0.75M Flyaway antenna ELECTRICAL SPECIFICATION		
Antenna Aperture		0.75m
Operation Frequency	Tx	13.75-14.5 GHz
	Rx	10.95-12.75GHz
Gain	Tx	> 38.5 dBi
	Rx	> 37.2 dBi
Polarization		Linear
Cross-polarization	Tx	> 30dB
	Rx	> 30dB
VSWR	Tx	1.25 : 1
	Rx	1.25 : 1
3dB beamwidth	Tx	1.9°
	Rx	2.1°

Power Capacity	100W
Feed Interface	WR75
Tx/Rx Isolation	Rx > 40dB Tx > 85dB
$1^\circ \leq \theta < 20^\circ$ Sidelobe	First sidelobe < - 20 dB
MECHANICAL SPECIFICATION	
Antenna Type	Offset antenna
Main reflector material	Carbon Fiber
Net Weight	8 Kg
Gross Weight with case	19Kg
Elevation	0-90°
Azimuth	±60°
Polarization	±90°
ENVIRONMENTAL SPECIFICATION	
Wind load operational	20m/s
Temperature operational	- 30□-50□

