

**1.8m Flyaway Offset feed Antenna,
PERFORMANCE SPECIFICATIONS**

SPECIFICATIONS	C-RECEIVE	C-TRANSMIT	Ku -RECEIVE	Ku-TRANSMIT
Frequency(GHz)	3.625~4.200	5.850~6.425	12.2~12.75	14.00~14.50
Typical Gain (dBi)	35.4	39.1	45.0	46.5
VSWR	1.25 : 1	1.25 : 1	1.25 : 1	1.25 : 1
Beamwidth(-3dB)	2.91°	1.95°	0.94°	0.81°
Antenna Noise	2 Port Feed		2 Port Feed	
Temperature				
10° Elevation	55K		58K	
Power Handing Capability		5000W		1000W
Feed Interface	CPR-229G	CPR-159G	WR-75	WR-75
Feed Insertion Loss	0.25dB	0.25dB	0.30dB	0.30dB
Polarization	Linear Polarization			
Port-Port Isolation				
Tx-Rx	85dB		85dB	
Cross Polarization Isolation	35dB(on axis)	35dB(on axis)	35dB(on axis)	35dB(on axis)
First sidelobe	<-14dB	<-14dB	<-14dB	<-14dB
Sidelobes	29-25LOG(θ) dBi	1° $\leq\theta\leq$ 48°	29-25LOG(θ) dBi	1° $\leq\theta\leq$ 20°
	-10dBi	48° $<\theta\leq$ 180°	-10dBi	48° $<\theta\leq$ 180°

MECHANICAL SPECIFICATIONS

SPECIFICATIONS		NOTE
Azimuth Travel	$\pm 20^\circ$	fine adjustments
Elevation Travel	5°~70°	
Polarization travel range	$\pm 90^\circ$	
Shipping Weight	35Kg	without knapsack
Surface Accuracy	C-0.8mm Ku-0.7mm	
Finish	White paint	Meet the needs of user

List of pack

reflector panel	6 sets
antenna feed system	1 set
feed support bar	1 set
bar	1 set
azimuth tray	1 set
lead screw	1 set
lean pole	3 pieces
weight tray	3 pieces
buckle	18 pieces
ground nail	6 pieces
Screwdriver、 bakelite hammer、 box and needle	1 set
knapsack	1 set