2.4m Ring-focus C-band & Ku-band TX & RX antenna

Features:

- Aluminum major reflector with high precision, using aluminum rod to stretch blank and then rivet them to form the reflector.
- Subreflector and corrugating feed and waveguide components which are precisely processed by numerically controlled machines.
- Column type seat and Web type frame with high stiffness.
- Optional C Band and Ku Band.
- Advanced surface painting techniques enable the device with high anticorrosive and antirust capabilities.
- The antenna with Well-set structure can be rapidly installed and easily adjusted.
- Customizable upon user' needs

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Description:

SPECIFICATIONS	C-RECEIVE	C-TRANSMIT	Ku-RECEIVE	Ku-TRANSMIT
Frequency (GHz)	3.4-4.2	5.85-6.725	10.95-12.75	13.75-14.5
Typical Gain (dBi)	41.69	45.73	51.24	52.55
VSWR	1.25:1			
Beamwidth: -3dB	1.35°	0.85°	0.45°	0.387°
-15dB	2.704°	1.698°	0.901°	0.775°
Antenna Noise Temperature (°K)	2Port Feed		2Port Feed	
10°Elevation	36		50	
20°Elevation	30		44	
40°Elevation	25		38	
Power Handing Capability		5KW/Port		1KW/Port
Feed interface	CPR-229G	CPR-137G	WR-75	WR-75
Feed Insertion Loss	0.25dB	0.2dB	0.25dB	0.25dB
TX - RX	≥85dB		≥85dB	
Cross Polarization Isolation (on axis)	≥35dB		≥35dB	
Sidelobes	CCIR.580-4			
MECHANICAL SPECIFICATIONS				
Azimuth Travel	±60°			
Elevation Travel	0°to 90			
Surface Accuracy	0.5mm(R.M.S)			
ENVIRONMENTAL SPECIFICATIONS				
Operational Winds	45mi/h(72km/h) gusts to 60mi/h(97km/h)			
Survival Winds	125mi/h(20km/h)			
Ambient Temperature	-45° to 60°			
Relative humidity	0% to 100%			
Seismic (Survival)	0.3G ' s horizontal 0.15G ' s vertical			