



7.3m 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 Truss type frame with high stiffness.
- Optional C Band and Ku Band.
- Auto control possesses electric equivalent angle display and automatic tracking device.
- Advanced surface painting techniques enable the device with high anticorrosive and antirust capabilities.
- 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)	47.59dB	51.63dB	57.6dB	58.53dB
VSWR		1.25:1		
Beamwidth:-3dB	0.685°	0.4304°	0.216°	0.194°
-15dB	1.37	0.8608°	0.432°	0.389°
Antenna Noise Temperature(°K)	2Port Feed		2Port Feed	
10°Elevation	34°k		57°k	
20°Elevation	27°k		47°k	
40°Elevation	24°k		43°k	
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	
Elevation/Azimuth Axis Drive Rates			0.01°/S-0.03°/S	
Polarization Travel Rate			±45°	
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(200km/h)		
Ambient Temperature			-40° to 50°	
Relative humidity			10%- 100%	
Seismic (Survival)		0.3G ' s horizontal 0.15G ' s vertical		