



1.288m Ring-focus Ku-band TX & RX antenna

Features:

- In-block molded aluminum major reflector with high precision.
- Subreflector and corrugating feed and waveguide components which are precisely processed by numerically controlled machines.
- High precision and strength.
- Advanced surface painting techniques enable the device with high anticorrosive and antirust capabilities.
- Column type seat with high stability.
- The antenna with novel design can be rapidly installed and easily adjusted.
- Customizable upon user's needs.



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Description:

SPECIFICATIONS	C-RECEIVE	C-TRANSMIT	Ku-RECEIVE	Ku-TRANSMIT
Frequency (GHz)			10.95-12.75	13.75-14.5
Typical Gain (dBi)			42.07	43.38
VSWR			1.25:1	1.25:1
Beamwidth:-3dB			1.29°	1.113°
-15dB			2.59°	2.225°
Antenna Noise Temperature(°K)			2 Port Feed	
10°Elevation			43	
20°Elevation			39	
40°Elevation			35	
Power Handling Capability				1KW/Port
Feed interface			WR-75	WR-75
Feed Insertion Loss			0.20dB	0.20dB
TX - RX			≥85dB	≥85dB
Cross Polarization Isolation (on axis)			≥35dB	≥35dB
			Within-1dB≥33dB	Within-1dB≥33dB
Sidelobes	CCIR.580-4			
MECHANICAL SPECIFICATIONS				
Azimuth Travel	360°			
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			
Re-installing precision	0.6mm			
Mechanical ability to resist	1.5			