



## HUAXIN 0.6m 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.
- The antenna with novel design can be rapidly installed and nimbly adjusted.
- Customizable upon user's needs.



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### Description:

SPECIFICATIONS	C-RECEIVE	C-TRANSMIT	Ku-RECEIVE	Ku-TRANSMIT
Frequency (GHz)			12.25-12.75	14-14.5
Typical Gain (dBi)			35.9	36.827
VSWR			1.25:1	1.25:1
Beamwidth: -3dB			2.634°	2.36°
-15dB			5.268°	4.73°
Antenna Noise Temperature(°K)			2Port Feed	
10°Elevation			49	
20°Elevation			41	
40°Elevation			35	
Power Handling Capability				1KW/Port
Feed interface			WR-75	WR-75
Feed Insertion Loss			0.25dB	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(200km/h)			
Ambient Temperature	-45° to 60°			
Relative humidity	0% to 100%			
Seismic (Survival)	0.3G ‘ s horizontal 0.15G ‘ s vertical			