



Transponder Capacity
Global Communication Networks
High-speed Broadband
Satellite - Wireless - Fiber

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6.2M RING FOCUS RO & Tx/Rx ANTENNA

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SPECIFICATIONS		C-RECEIVE	C-TRANSMIT	Ku-RECEIVE	Ku-TRANSMIT
Frequency (GHz)		3.625-4.2	5.85-6.425	10.95-12.75	14-14.5
Typical Gain (dBi)		46.8	50.2	55.9	57.2
VSWR		1.25•1	1.25•1	1.25•1	1.25•1
Beamwidth:-3dB		0.81°	0.53°	0.27°	0.23°
-15dB		1.62°	1.07°	0.54°	0.46°
Antenna Noise Temperature (K)	2/4 Port Feed			2/4 Port Feed	
		2/4		2/4	
10 Elevation		35/42		63/67	
20 Elevation		26/36		51/58	
40 Elevation		24/33		49/52	
Power Handling Capability			5Kw/port		1Kw/port
Feed Interface		CRP-229G	CRP-159GG/137G		WR-75
Feed Insertion Loss(dB)		0.25dB	0.2dB	0.25	0.25
Port-port isolation (dB)					
Tx-Rx		85dB	85		
Rx-Tx, Tx-Tx linear		30	30	30	30
Tx-Tx, Rx-Rx Circular		21	21		
Cross Polarization Isolation (dB)					
		35dB	35dB	35dB	35dB
		33dB	33dB	33dB	33dB
Axial ratio,dB (Ratio)		0.8/0.5dB	0.5dB		
Sidelobes		CCLR.580-2			
MECHANICAL SPECIFICATIONS					
Azimuth Travel		±90°			
Elevation Travel		0°to 90°			

Elevation/Azimuth Axis Drive Rates	EI-AZ				
0.02°/s-0.04°/s					
Installation Hardware					
Polarization Hardware		1°/s			
Surface Accuracy		0.5mm			
Finish		White paint			
ENVIRONMENTAL SPECIFICATIONS					
Operational Winds		45mi/h(72km/h) thrusts			
		To60mi/h(97km/h)			
Survival Winds		125mi/h(200km/h)			
Ambient Temperature		-45° to 60°			
Relative Humidity		10% to 98%			
Seismic (Survival)		0.3G's horizontal			
		0.15G's vertical			

6.2m Ring-Focus Antenna, PERFORMANCE SPECIFICATIONS

The 6.2 Meter C-band and Ku-band antennas offer superior performance for receive only and satellite communication Tx/Rx applications.

These antennas meet the requirements for 2 satellite spacing per FCC Docket 81-704 and INTELSAT approvals.

Options:

Two port, three port, four port Rx/Tx linear or/and circular polarized feeds

Manual or motorization azimuth, elevation and polarization drive systems with controls and readouts..