



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

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3.0M Ring Focus 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)		39.6	43.5	49.5	50.9
VSWR		1.25•1	1.25•1	1.25•1	1.25•1
Beamwidth:-3dB		1.7°	1.1°	0.57°	0.48°
-15dB		3.2°	2.2°	1.14°	0.96°
Antenna Noise Temperature(K)	2/4 Port Feed			2/4 Port Feed	
10 Elevation		32		52	
20 Elevation		26		43	
40 Elevation		23		38	
Power Handling Capability			5Kw/port		1Kw/port
Feed Interface		CRP-229G	CRP-159GG/137G		WR-75
Feed Insertion Loss(dB)		0.15/0.2	0.2	0.4/0.45	0.4
Port-port isolation (dB)					
Tx-Rx			85		
Cross Polarization Isolation (dB)					
	(0dB)	35	35	35	35
	(1dB)	33	33	33	33
Axial ratio, dB (Ratio)		0.5	0.5		
Sidelobes		CCLR.580			
MECHANICAL SPECIFICATIONS					
Azimuth Travel		±60°			
Elevation Travel		5° to 90°			
Installation Hardware					
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			