



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

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# PENG LI



## 2.4M Ring Focus Tx&Rx ANTENNA

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SPECIFICATIONS		Ku-RECEIVE	Ku-TRANSMIT
Frequency (GHz)		12.25•12.75	14-14.5
Typical Gain (dBi)		47.5	49
VSWR		1.25•1	1.25•1
Beamwidth:-3dB		0.48°	0.34°
-15dB		0.97°	0.68°
Antenna Noise Temperature (k)		2 port feed	
10 Elevation		52	
20 Elevation		44	
40 Elevation		38	
Power Handling Capability			1 Kw/port
Feed Interface			WR-75
Feed Insertion (dB)		0.4	0.4
Port-port isolation (dB)			
Tx-Rx			
Cross Polarization isolation (dB)			
	(0 dB•	35	35
	(1 dB)	33	33
Axial ratio, dB (Ratio)		0.5	0.5
Sidelobes		CCLR.580	
<b>MECHANICAL SPECIFICATIONS</b>			
Azimuth Travel		±360°	
Elevation Travel		5° to 90°	
Installation Hardware			
Surface Accuracy		0.5mm	
Finish		White paint	
<b>ENVIRONMENTAL SPECIFICATIONS</b>			
Operational Winds		45mi/h (72km/h) thrusts	
		To 60mi/h (97km/h)	
Survival Winds (Any Position)		125mi/h (200km/h)	
Ambient Temperature		•30° to 60°	
Relative Humidity		0% to 100%	
Seismic (Survival)		0.3G's horizontal	
		0.15G's vertical	