



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

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PENG LI



1.8M Offset Feed Tx&Rx ANTENNA

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SPECIFICATIONS		Ku-RECEIVE	Ku-TRANSMIT
Frequency (GHz)		12.25•12.75	14-14.5
Typical Gain (dBi)		45.2	46.4
VSWR		1.25•1	1.25•1
Beamwidth:-3dB		0.47	0.38
Antenna Noise Temperature		2 port feed	
10° Elevation		50	
20° Elevation		44	
40° Elevation		38	
Power Handling Capability			1Kw/port
Feed Interface			WR-75
Feed Insertion (dB)		0.25	0.25
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	
MECHANICAL SPECIFICATIONS			
Azimuth Travel		±60°	
Elevation Travel		5° to 90°	
Installation Hardware			
Surface Accuracy		0.3mm	
Finish		White paint	
ENVIRONMENTAL SPECIFICATIONS			
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	