



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

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# PENG LI

## 4.5M VSAT MOTORIZED ANTENNA PACKAGE




### PENG LI 4.5M RING FOCUS Tx&Rx ANTENNA

Available motors: EL/AZ

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 (dB)	43.8	47.2	53	54.5
VSWR	1.25•1	1.25•1	1.25•1	1.25•1
Beamwidth:-3dB	1.14°	0.72°	0.37°	0.31°
-15dB	2.4°	1.42°	0.57°	0.63°
Antenna Noise Temperature (K)	2/4 Port Feed		2/4 Port Feed	
10 Elevation	36		60	
20 Elevation	27		50	
40 Elevation	24		44	
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
Tx-Rx (0dB)	85	85		
(1dB)	35dB	35dB	35dB	35dB
	33dB	33dB	33dB	33dB
Axial ratio ,dB (Ratio)	1.5dB	1.8dB		
Side lobes	CCLR.580			
Azimuth Travel	±60°			
Elevation Travel	5°to 90°			
Surface Accuracy	0.5mm			
Finish	White paint			
Operational Winds	45mi/h (72km/thrusts)			
	To 60mi/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			

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Peng Li VSAT Motorized 4.5M Package



Motor

