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Designed in the design range from 1.8M shipment including antenna and Flyaway



Probecom 6.2 Meter ring focus antenna providing Tx/Rx 2-port feed or Tx/Rx 4-port in switchable linear & circular polarization for C-band, 6.2m Ku band antenna only for linear polarization, It can deliver exceptionally high performance for transmit/receive applications with auto-tracking control system.

Probecom 6.2 M antenna adopts all aluminum re-enforced reflectors, consisting of precisely formed panels with matched radials and hub assemblies, ensure the ease of installation. The standard designed azimuth over elevation pedestal provides a cost-effective solution for high stiffness and stability, full orbital arc coverage and fine drive performance, and ensures the pointing accuracy for C-Band Tx/Rx and Ku-Band Tx/Rx operations.

It is widely and ideally used for Broadcasters, Service Providers, GSM operator, Satellite operator, Military and Government Agencies, FreeLands or Rescue Organizations

Highlighted Features

- *Meets CCIR 580 and INTELSAT Requirements
- *CP/LP switchable feed
- *High RF performance
- *Galvanized stainless steel hardware
- *Different frequency ranges from many feed configurations
- *Ka band antenna with rotary pedestal is available
- * Antenna reflector be pre-assembly in works, special designed taper-pin easy instillation and ensure on site assembly accuracy, no theodolite required

Options

- *L,S,X bands and multi-bands
- *800MHz bandwidth is available
- *Full motion antenna
- *Feed blower or deicing with automatic controls
- *Two or four Tx/Rx port in linear or circular polarized feeds

Antenna Accessory

- Motorization Kits
- Limit Switches
- ODU Support Kits
- Factory Feed System Testing and Documentation
- Ocean /AirTransport Packing
- Foundation Kit
- Lightening Rod Kit
- Grounding Kit Cable-Mounting Kit
- Anti-icing and Deicing

Electrical Specification				
Type	C62T		K62T	
Operating Frequency, GHz	C-Band		Ku-Band	
	Receive	Transmit	Receive	Transmit
	3.625~4.2	5.85~6.425	10.95~12.75	13.75~14.5
Gain, Mid-band, dBi	46.43	50.0	55.72	57.04
Polarization	Linear/Circular		Linear	
XPD(on Axis), dB	35	35	35	35
XPD across 1dB Beam Width, dB	33	33	33	33
Axial Ratio (Circular-Polarized)	2-Port Feed	1.30	1.09	
	4-Port Feed	1.06	1.06	
VSWR	1.25	1.25	1.25	1.25
Antenna Noise Temperature 2-port feed				
10° Elevation	35K		50K	
30° Elevation	25K		39K	
50° Elevation	22K		36K	
-3 dB Beam Width, Mid-band	0.78°	0.52°	0.27°	0.23°
Typical G/T (EL>10°, 2-port)	28.4dB/K (30° LNA)		35.2dB/K (70° LNA)	
Tx. Power Capability, KW		5		2
Feed Interface	CPR—229F	CPR—137F	WR-75	WR-75
Feed Insertion Loss, dB	0.2	0.2	0.25	0.25
Isolation, Tx to Rx, dB	85		85	
Rx/Rx,Tx/Tx Linear,dB	30		30	
Rx/Rx,Tx/Tx Circular,dB	20		20	
Side lobes	CCIR 580-4			
Mechanical Specification				
Antenna Diameter	6.2m			
Antenna Type	Ring Focus			
Surface Accuracy(RMS)	≤0.35mm			
Antenna Pointing Range	Azimuth	±85°		
	Elevation	0°~90°(Continuous)		
	Polarization	±90°(Continuous)		
Drive Mode	Manual or Motorized			
Motor Drive System	Azimuth Travel Rate	0.1°/S(0.02°/S)		
	Elevation Travel Rate	0.1°/S(0.02°/S)		
	Polarization	1°/S		
Environmental Specification				
Operational Wind	72km/h gusting to 97km/h			
Survival Wind	216km/h			
Temperature	-40°~+60°			
Relative Humidity	100%			
Solar Radiation	1135Kcal/h/m ²			
Ice Loading	13mm Operational; 30mm Survival			

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