



<b>Electrical Specification</b>					
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			
<b>Mechanical Specification</b>					
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			
<b>Environmental Specification</b>					
Operational Wind		72km/h gusting to 97km/h			
Survival Wind		216km/h			
Temperature		-40°~+60°			
Relative Humidity		100%			
Solar Radiation		1135Kcal/h/m <sup>2</sup>			
Ice Loading		13mm Operational; 30mm Survival			

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