



ELECTRICAL SPECIFICATION

Diameter	1.8M			
Operating Frequency, GHz	C-Band		Ku-Band	
	Receive	Transmit	Receive	Transmit
	3.625~4.2	5.85~6.425	10.95~12.75	14.0~14.5
Gain, Mid-band, dBi	45.3	46.5	46.9	47.5
Polarization	Linear		Linear	
Cross Polarization Isolation (on Axis), dB	≥30			
VSWR	1.25	1.25	1.25	1.25
Feed Interface	CPR-229F	CPR-159G	WR-75	WR-75

Isolation, Tx to Rx, dB	85
Radiation Pattern:First Sidelobe	≤-14, Meet CCIR.580-4
Mechanical Specification	
Antenna Optics	Offset antenna
Azimuth	0°~360°
Elevation	1°~80°
Surface Accuracy (RMS)	≤ 0.5mm
Environmental Specification	
Operational Wind Loading	14m/s (Gusting 20m/s)
Survival Wind Loading	54m/s
Temperature	- 30°C ~ + 50°C
Relative Humidity	100%
Solar Radiation	1135Kcal/ h/ m ²
Seismic (Survival)	0.3g (H), 0.15g (V)

