



ELECTRICAL SPECIFICATION

Antenna	C-BAND	Ku-BAND
Frequency	3.625-4.2GHz	10.95-12.75GHz
Midband Gain	45.7dB	55.6dB
VSWR	≤1.35	≤1.25
Noise Temperature	41°K@20°E1	45°K@20°E1
Polarization	Linear	Linear
Cross-pol.Discrimination (LP)	> 30dB on axis	> 30 dB on axis
Feed Interface	CPR229	WR75
Sidelobe	First Sidelobe ≤-14dB	
	Envelop P90% ≤ 52 - 10lgθ(D/Δ) - 25lgθ	

MECHANICAL SPECIFICATION

Diameter	6.2m
Reflector material	Aluminum
Antenna Optics	Prime focus antenna
Mount Type	Elevation over Azimuth
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Elevation Adjustment	0°to 90° (continuous)
Azimuth Adjustment	±70°
Surface Tolerance	0.4mm(r.m.s.)
Re-installation	0.5mm(r.m.s.)
Paint Color	White
Wind Loading	Operational: 80kmphSurvival : 200kmph
Temperature	-45°C ~50°C
Relative Humidity	100%
Seismic(survival)	0.3G's horizontal 0.15 G's vertical