



ELECTRICAL SPECIFICATION

Antenna	C-BAND	Ku-BAND
Frequency	3.625-4.2GHz	10.95-12.75GHz
Midband Gain	42dB	50.9dB
VSWR	≤1.25	≤1.25
-3dB Beamwidth	1.45°	0.5°
Noise Temperature	40°K	55°K
Polarization	Linear/Circular	Linear
Cross-pol.Discrimination(LP)	> 30dB on axis	> 30dB on axis
Feed Interface	CPR229	WR75
Sidelobe	First Sidelobe ≤-14dB CCIR.580-5	

MECHANICAL SPECIFICATION

Diameter	3.7m
Reflector material	Aluminum
Antenna Optics	Feed-front prime focus antenna
Mount Type	Elevation over Azimuth

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Elevation Adjustment	0°to 90° (continuous)
Azimuth Adjustment	360°
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

