



## SPECIFICATIONS

### 2.4M Receive Only Antenna System

#### ELECTRICAL SPECIFICATION

Antenna	C-BAND	Ku-BAND
Frequency	3.625-4.2GHz	10.95-12.75GHz
Midband Gain	37.4dB	47.3dB
VSWR	≤1.35	≤1.25
-3dB Beamwidth	2.1°	0.7°
Noise Temperature	47°K@20° El	45°K@20° El
Polarization	Linear (circular as option)	Linear (circular as option)
Cross-pol. Discrimination	>23dB on axis (Linear)	>30dB on axis (Linear)
Feed Interface	CPR229	WR75
Sidelobe	First Sidelobe ≤-14dB Envelop P <sub>90%</sub> ≤ 52 - 10lgθ(D/Δ) - 25lgθ	

#### MECHANICAL SPECIFICATION

Diameter	2.4m
Reflector material	Aluminum
Antenna Optics	Front-feed prime focus antenna
Mount Type	Elevation over Azimuth
Mount Type	Elevation over Azimuth
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: 80kmph Survival : 200kmph
Temperature	-45°C ~50°C
Relative Humidity	100%
Seismic(survival)	0.3G's horizontal 0.15 G's vertical

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