



SPECIFICATIONS

3.0M Receive Antenna System

ELECTRICAL SPECIFICATION

Antenna	C-BAND	Ku-BAND
Frequency	3.4-4.2GHz	10.95-12.75GHz
VSWR	1.3:1	
Insertion Loss	0.25dB	0.3dB
Isolation	35dB	
Feed Interface	WR229/F	WR75/F
-3dB Beamwidth	1.77°	0.597°
Sidelobe Level	52-10lg(D/λ)-25lgθ	32-25lgθ
	2°≤θ≤20°	2°≤θ≤20°
First Sidelobe	≤-14dB	
Gain	39.33dB	48.79dB
Noise Temperature	34°K@10°	48°K@10°

MECHANICAL SPECIFICATION

Antenna Optics	Prime-focus antenna
Elevation Adjustment	0°to 90° (continuous)
Azimuth Adjustment	0°to 360°(continuous)
Wind Loading	Operational: 45mph 72kmph
	60mph 97kmph
	Survival : 125mph 200kmph
Temperature	-45°C ~50°C
Relative Humidity	100%
Seismic(survival)	0.3G's horizontal 0.15 G's vertical

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