

## GS6.0m Rx antenna

### Key Features

- \* Meets CCIR 580-5 and INTELSAT Requirements
- \* Dual Reflector
- \* High G/T, Excellent Pattern Characteristics
- \* Hot-dipped Galvanized Steel Ground Mount Assembly
- \* Stretch Formed Aluminum Reflector with High Precision.
- \* C-band/ ku-band/ ka-band/S-band/L-band frequency
- \* 2 port or 4 port available as option
- \* High Erosion Resistance
- \* Foundation Hardware Kit included
- \* Ocean or Air Transport Packing
- \* Excellent in Stability
- \* Survives 125 mph Winds

### Antenna accessories:

- \* Motorized kits
- \* Single/Dual Polarization as option
- \* Linear Polarization or Circular Polarization to C band
- \* Factory Feed System Testing and Documentation
- \* Grounding kit
- \* Lightning Rod Kit
- \* Cable-Mounting Kit
- \* Major Subsystem Spare Part Kits
- \* Anti-icing and Deicing

### ELECTRICAL SPECIFICATION

ANTENNA	C-BAND	Ku-BAND	
Frequency	3.4-4.2GHz	10.95-12.75 GHz	
VSWR	1.25:1	1.3:1	
Insertion Loss	0.25dB	0.3dB	
Isolation	35dB	35dB	
Feed Interface	WR229	WR75	
3dB Beamwidth	0.853°	0.286°	
Sidelobe Level	D/λ≤100	52-10lg(D/λ)-25lgθ 10-10lg(D/λ)	100λ/D≤θ≤48° θ>48°
	D/λ≥150	29-25lgθ 32-25lgθ -10	1°≤θ≤20° 20°<θ≤48° θ>48°
	First Sidelobe	≤-14dB	
	Gain	45.69dB (F=3.8 GHz)	55.19dB (F=11.8 GHz)
Noise Temperature	35°K@10°		50°K@10°

### MECHANICAL SPECIFICATION

Antenna Optics	Feed-backward antenna		
Elevation Adjustment	0°to 90°Continuous Fine Adjustment		
Azimuth Adjustment	manual	0°to 360°Continuous Fine Adjustment	
	motorization	±85° Continuous Adjustment (Into three sections)	

### ENVIRONMENTAL SPECIFICATION

Wind Loading	45mph	72kmph	operational (Maintain Precision)
	60mph	97kmph	operational (Decrease Precision)
	125mph	200kmph	Survival (Fixed Heavenward)
Temperature	-45°~50°C		
Relative Humidity	0%~100%		
Seismic (survival)	0.3G's horizontal 0.15 G's vertical		

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