

GS16m 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	0.32°	0.107°
Sidelobe Level	29-25lgθ 32-25lgθ -10	1°≤θ≤20° 20°<θ≤48° θ>48°
First Sidelobe	≤-14dB	
Gain	54.21dB (F=3.8 GHz)	63.71dB (F=11.8 GHz)
Noise Temperature	46°K@10°	78°K@10°

MECHANICAL SPECIFICATION

Antenna Optics	Feed-backward antenna
Elevation Adjustment	0°to 90°Continuous Fine Adjustment
Azimuth Adjustment	0°to 360°Continuous Fine Adjustment

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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