

GS 1.8m off-set Rx antenna

Key Features

- * Meets CCIR 580-5 and INTELSAT Requirements
- * 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
- * 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

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ELECTRICAL SPECIFICATION

ANTENNA	C-BAND	Ku-BAND
Frequency	3.4-4.2GHz	10.95-12.75 GHz
VSWR	1.3:1	
Insertion Loss	0.25dB	0.3dB
Isolation	35dB	
Feed Interface	WR229/F	WR75/F
3dB Beamwidth	2.96°	0.99°
Sidelobe Level	52-10lg(D/λ)-25lgθ 10-10lg(D/λ)	100λ/D≤θ≤48° θ>48°
First Sidelobe	≤-14dB	
Gain	34.89 dB (F=3.8GHz)	44.35dB (F=11.8 GHz)
Noise Temperature	38°K@10°	43°K@10°

MECHANICAL SPECIFICATION

Antenna Optics	Feed-forward 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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