

Technical Specifications

Electrical	C-Band	Ku-Band
Antenna Size	2.4M (96 in.)	2.4M (96 in.)
Operating Frequency (GHz)	3.625 - 4.2 GHz	10.95 - 12.75 GHz
Midband Gain (+/- .2dB)	37.50 dBi	46.50 dBi
Antenna Noise Temp (Clear Sky) 20° Elevation 30° Elevation	37 K 36 K	41 K 41 K
Cross Polarization (Linear)	>30 dB (on axis)	>30 dB (on axis)
First Sidelobe (typical)	- 20 dB	- 20 dB
VSWR	1.3:1 max	1.3:1 max
Insertion Loss	0.2 dB Max.	0.2 dB Max.

Mechanical	
Reflector Material	Three Segment Glass Fiber Reinforced Polyester SMC
Antenna Optics	Prime Focus, Axisymmetric
Mast Pipe Size	5" SCH 40 Pipe (5.56" OD) 14.13 mm.
Elevation Adjustment Range	0° to 90° Continuous Fine Adjustment
Azimuth Adjustment Range	360° Continuous Coarse
f/D Ratio/Feed Support	0.37/Tripod Feed Support
Declination Corrected Polar Range	90° Arc Coverage with 24" Actuator, Available
Shipping Specifications (Weight)	Az/EI: 205 lbs. (93 kg.)

Environmental Performance	
Wind Loading Operational Survival	50 mph (80 km/h) 125 mph (201 km/h)
Temperature Operational Survival	-40° to 140° F (-40° to 60° C) -50° to 160° F (-46° to 71° C)
Rain Operational Survival	1/2" /hr 2" /hr
Ice Operational Survival	----- 1/2" radial
Atmospheric Conditions	Salt, Pollutants and Contaminants as Encountered in Coastal and Industrial Areas
Solar Radiation	360 BTU/h/ft ²