

MAVERICK Fixed Site 1.2M

Electrical

Antenna Size		Series 1120 Ku-Band
Operating Frequency (GHz)	Receive Transmit	1.2 M (48 in.) 10.95 - 12.75 GHz 13.75 - 14.50 GHz
Midband Gain (+/- .5dB)	Receive Transmit	41.7 dBi 43.2 dBi
Antenna Noise Temperature	20° Elevation 30° Elevation	46 K 43 K
Sidelobe Envelope	100 /D ≤ ≤ 20° 20° < 0 – ≤ 26.3° 26.3° < 0 – ≤ 48° 48° < 0 –	29 - 25 Log dBi -3.5 dBi 32 - 25 Log0 – dBi -10 dBi (averaged)
Max. Tx Weight		Tier 1 = 6 lbs. Tier 2 = 12 lbs.
Insertion Loss		0.2 dB max.
Cross-Pol Isolation (Linear)		>30 dB (on axis)
VSWR		1.3:1 Max.

Mechanical

Reflector Material		Glass Fiber Reinforced Polyester SMC
Antenna Optics		Prime Focus, Offset Feed
Mount Type		Elevation over Azimuth
Mast Pipe Size		2" SCH 40 Pipe (2.38" OD) 6.03 cm
Elevation Adjustment Range		5° to 90°, Continuous Fine Adjustment
Azimuth Adjustment Range		360° Continuous, Coarse
Shipping Specifications		22.2 kg (60 lbs)

Environmental Performance

Wind Loading	Operational Survival	40 mph (72 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/ft2
Shipping Specifications		22.2 kg (60 lbs)