

0.92M Ku-Band Receive Only

Series 1921

Technical Specifications

Electrical	Series 1921 Ku-Band
Antenna Size	.92M (36 in.)
Operating Frequency (GHz)	10.95 - 12.75 GHz
Midband Gain (+/- .5dB)	39.6 dBi
3 dB Beamwidth	1.9°
Antenna Noise Temperature 20° Elevation 30° Elevation	48 K 47 K
Feed Interface	WR 75
First Sidelobe (typical)	- 23 dB
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
Mast Pipe Size	1.5" SCH 40 Pipe (1.90" OD) 4.83 cm.
Elevation Adjustment Range	5° to 90°, Continuous Fine Adjustment
Azimuth Adjustment Range	360° Continuous
Mount Type	Elevation over Azimuth
Shipping Specifications	40 lbs. (18 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)
Atmospheric Conditions	Salt, Pollutants and Contaminants as Encountered in Coastal and Industrial Areas
Solar Radiation	360 BTU/h/ft2

GENERAL DYNAMICS SATCOM Technologies

1500 Prodelin Drive • Newton, NC 28658 USA • Telephone: +1-828-464-4141 • Fax: +1-828-464-4147
Email: vsat@gdsatcom.com • Web Site: www.gdsatcom.com

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