

60 CM Ku-Band Receive Only

Series 1600

Technical Specifications

Electrical	Ku-Band
Antenna Size	60 CM (23 in.)
Operating Frequency (GHz)	10.95 - 12.75 GHz
Midband Gain (+/- .2dB)	36.1 dBi
3 dB Beamwidth	2.8°
Antenna Noise Temperature 20° Elevation 30° Elevation	49 K 48 K
Feed Interface	Rectangular WR 75
Cross-Pol Isolation (Linear)	>30 dB (on axis)
First Sidelobe (typical)	-23 dB
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	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
Shipping Specifications (Weight)	25 lbs. (11 kg.)

Environmental Performance	
Wind Loading Operational Survival	45 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/ft ²

GENERAL DYNAMICS SATCOM Technologies

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1000-003 Rev. 05/11