



1.8M C or Ku-Band Receive Only Series 1186 Antenna



Key Features

- Precision compression molded offset reflector
- Installation time reduced with improved mount design
- Fully galvanized steel polar mount
- Reflector/Feed electrical anti-icing available
- 18" Actuator required (available separately)
- Optional galvanized king post available



Back View Series 1186



Option - Ku-Band Feed

General Dynamics SATCOM Technologies is the world's largest manufacturer of Rx/Tx VSAT antennas. We have the broadest product line in the industry including Receive Only Rx/Tx and Rural Telephony antenna systems. General Dynamics SATCOM Technologies offers nineteen antenna sizes, 47cm to 4.5M. General Dynamics SATCOM Technologies is the leader in obtaining type certifications and approvals for Intelsat, AsiaSat and Eutelsat. General Dynamics SATCOM Technologies' antennas provide the best quality in the market due to the sophisticated, precision SMC compression molding process technology.

General Dynamics SATCOM Technologies provides the best value antenna solution to the market with competitive prices, the highest quality products and superb engineering support.

General Dynamics SATCOM Technologies is ISO registered, KEMA # 70022.01.
General Dynamics SATCOM Technologies - The Market Leader in VSAT Antennas.

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PARAMETERS		
	C-Band	KU-Band
Electrical Performance		
Antenna Size	1.8M (71 in.)	1.8M (71 in.)
Frequency (GHz)	3.625 – 4.2 GHz	10.95 – 12.75 GHz
Antenna Gain at Midband, dBi (± .2dB)	35.5 dBi	45.5 dBi
VSWR	1.3:1 Max	1.3:1 Max
Pattern Beamwidth (in degrees at midband) -3 dB	2.9°	.9°
Polarization	Linear or Circular	Single or Dual Linear
Sidelobe Performance		
Antenna Noise Temperature		
20° Elevation	49K	38K
30° Elevation	47K	35K
Power Handling		
Cross Polarization Isolation		
On Axis	>30 dB	>30 dB
Within 1.0 dB Beamwidth		
Output Waveguide Interface Flange	CPR 229F	Rectangular WR 75 or WC 75
RF Specification		
Mechanical Performance		
Reflector Material	Glass Fiber Reinforced Polyester SMC	
Antenna Optics	Prime Focus, One-Piece offset Feed	
Mast Pipe Size	3.5" SCH 40 Pipe (4.00" OD) 10.16 cm.	
Declination Corrected Polar Range	Any 90° segment of Arc	
Elevation Adjustment Range		
Azimuth Adjustment Range		
360° Continuous		
Shipping Specifications		
Approximate Net Weight		
Approximate Packaged Weight		
Environmental Performance		
Wind Loading		
Operational	45 mph (72 km/h)	
Survival	125 mph (201 km/h)	
Temperature Range (operational)	-40° to 140°F (-40° to 60° C)	
Rain (operational)		
Ice (operational)		
Atmospheric Conditions	Salt, Pollutants and Contaminants as Encountered in Coastal and Industrial Areas	
Relative Humidity		
Solar Radiation	360 BTU/h/ft ²	

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