



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/ft² | |