

# Receive Only Series 1186



1.8M

C OR KU-BAND

RECEIVE ONLY

SERIES

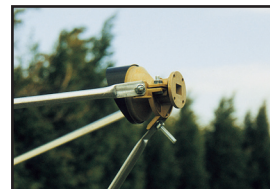
1183



Prodelin Corporation 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. Prodelin offers nineteen antenna sizes, 47cm to 4.5M. Prodelin is the leader in obtaining type certifications and approvals for Intelsat, AsiaSat and Eutelsat. Prodelin antennas provide the best quality in the market due to the sophisticated, precision SMC compression molding process technology. Prodelin provides the best value antenna solution to the market with competitive prices, the highest quality products and superb engineering support. Prodelin is ISO registered, KEMA # 70022.01. *Prodelin - The Market Leader in VSAT Antennas.*



Back View  
Series 1186



Option  
Ku-Band Feed

## 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
- 24" Actuator required (available separately)
- Optional galvanized king post available

**GENERAL DYNAMICS**  
C4 Systems

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1.8M  
C OR KU-BAND  
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1186

Electrical		
	C-Band	Ku-Band
Antenna Size	1.8M (71 in.)	1.8M (71 in.)
Operating Frequency	3.625 - 4.2 GHz	10.95 - 12.75 GHz
Midband Gain ( ± .2dB)	35.5 dBi	45.5 dBi
3 dB Beamwidth	2.9°	.9°
Antenna Noise Temperature		
20° elevation	49 K	38 K
30° elevation	47 K	35 K
Polarization	Linear or Circular	Single or Dual Linear
First Sidelobe (typical)	- 20 dB	- 20 dB
Cross-Pol Isolation	>30 dB on axis	>30 dB on axis
VSWR	1.3:1 Max.	1.3:1 Max.
Feed Interface	CPR 229 F	Rectangular WR 75 or WC 75
Mechanical		
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	
Azimuth Adjustment Range	360° Continuous	
Shipping Specifications	160 lbs. (72 kg.)	
Environmental Performance		
Wind Loading	Operational	45 mph (72 km/h)
	Survival	125 mph (201 km/h)
Temperature	Operational	-40° to 140° F (-40° to 60° C)
	Survival	-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	

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