

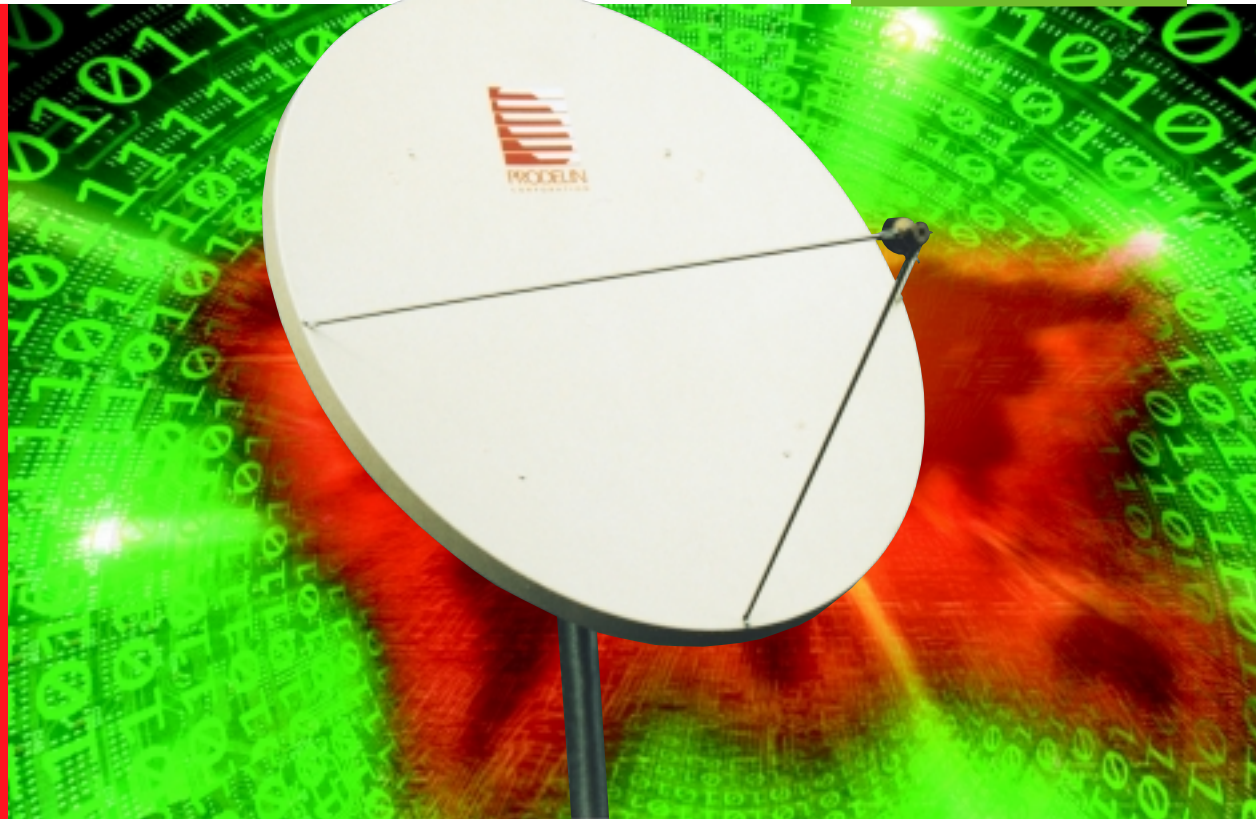
1.8M

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 1183



Option
Ku-Band Feed

Key Features

- Precision compression molded offset reflector
- Installation time reduced with improved mount design
- Fully galvanized steel Az/EI mount
- Reflector/Feed electrical anti-icing available
- Polar mount available

Receive Only
Series 1183

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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 ($\pm .2$ dB)	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.
Elevation Adjustment Range	5° to 90°, Continuous Fine Adjustment
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/ft ²	



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