

## ELECTRICAL

	C-Band	Ku-Band
Antenna Size	1.8 M (71 in.)	1.8 M (71 in.)
Operating Frequency (GHz)	3.625 - 4.2	10.95 - 12.75
Midband Gain ( ± .5dB)	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
Feed Interface	CPR 229	Rectangular WR 75 or WC75
Polarization	Linear or Circular	Single or Dual Linear
First Sidelobe (typical)		-20 dB
Cross-Pol Isolation		>30 dB (on axis)
VSWR		1.3:1 Max.

## MECHANICAL

Reflector Material	Glass Fiber Reinforced Polyester SMC
Antenna Optics	Prime Focus, Offset Feed
Elevation Adjustment Range	5° to 90°, Continuous Fine Adjustment
Azimuth Adjustment Range	360° Continuous
Mast Pipe Size	3.5" SCH 40 Pipe (4" OD) 10.16 cm.
Shipping Specifications Weight	160 lbs. (72 kg.)

## ENVIRONMENTAL PERFORMANCE

Wind Loading	Operational	45 mph (72km/h)
	Survival	125 mph (201km/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 <sup>2</sup>	



Prodelin Corporation  
 PO Box 368  
 1700 NE Cable Drive  
 Conover NC 28613 USA  
 Phone 828/464-4141  
 Fax 828/466-0860  
 www.prodelin.com