

3.0, 3.4 & 3.7M

C OR KU-BAND

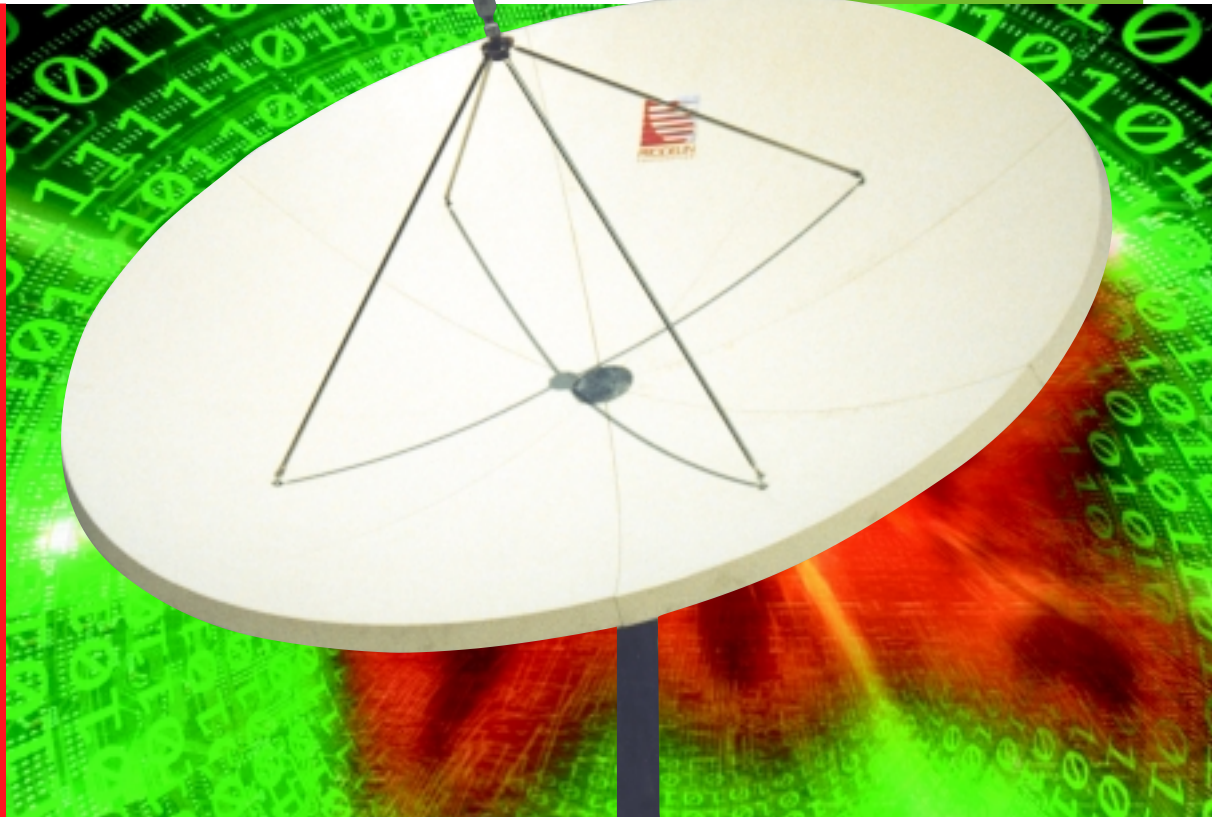
RECEIVE ONLY

SERIES

1304-1305

1344-1345

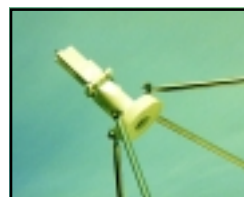
1374-1375



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 1374



Feed  
C-Band Feed

## Key Features

- Precision Compression Molded Centerfed Reflector
- Low transportation cost with eight panel reflector
- Individual panels interchangeable and field replaceable
- Fully galvanized steel mounts
- Az/EI or declination corrected polar mounts
- Optional galvanized king post available

Receive Only

Series 1304-1305

1344-1345 & 1374-1375

3.0, 3.4 & 3.7M

C OR KU-BAND

RECEIVE ONLY

SERIES

1304-1305

1344-1345

1374-1375

Electrical	Series 1304-1305		Series 1344-1345		Series 1374-1375	
	C-Band	Ku-Band	C-Band	Ku-Band	C-Band	Ku-Band
Antenna Size	3.0M (10 ft.)		3.4M (11 ft.)		3.7M (12 ft.)	
Operating Frequency (GHz)	3.7 - 4.2 10.95 - 12.75		3.625 - 4.2 10.95 - 12.75		3.625 - 4.2 10.95 - 12.75	
Midband Gain (+.5dB)	40 dBi	49 dBi	40.2 dBi	49.8 dBi	40.9 dBi	50.7 dBi
3 dB Beamwidth	1.7°	0.6°	1.6°	0.53°	1.45°	0.5°
Antenna Noise Temperature						
20° elevation	30 K	29 K	29 K	28 K	25 K	23 K
30° elevation	28 K	26 K	27 K	25 K	23 K	22 K
Feed Interface	CPR 229F WR 75		CPR 229F WR 75		CPR 229F WR 75	
First Sidelobe (typical)	-20 dB		-20 dB		-20 dB	
Cross-Pol Isolation (Linear)	>30 dB (on axis)		>30 dB (on axis)		>30 dB (on axis)	
VSWR	1.3:1 Max.		1.3:1 Max.		1.3:1 Max.	
Insertion Loss	- 30 dB		0.2 dB Max		0.2 dB Max.	

**Mechanical**

Reflector Material	Eight Segment Glass Fiber Reinforced Polyester SMC		
Antenna Optics	Prime Focus, Axisymmetric		
Mast Pipe Size	6" SCH 80 Pipe (6.62" OD) 16.83 cm.		
Elevation Adjustment Range	10° to 70° Continuous Fine Adjustment (90° optional)		
Azimuth Adjustment Range	360° Continuous/ Polar mount covers any 90° segment of arc		
Declination Corrected Polar Range (1305/1345/1375)	90° arc coverage with 36° actuator		
f/D Ratio/Feed Support	.30/Quad Feed Support	.36/Quad Feed Support	.37/Quad Feed Support
Shipping Specifications	380 lbs. (173 kg.)	520 lbs. ( 234 kg.)	575 lbs. (259 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)
Rain	Operational	1/2" / hr.
	Survival	2" / hr.
Ice	Operational	-----
	Survival	1/2" radial
Atmospheric Conditions	Salt, Pollutants and Contaminants as Encountered in Coastal and Industrial Areas	
Solar Radiation	360 BTU/h/ft <sup>2</sup>	

