

.76, 1.0 AND 1.2M

C & KU-BAND

RECEIVE ONLY

SERIES

1761, 1111 & 1130



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 1111



Back View  
Series 1130

## Key Features

- Precision Compression Molded Offset Reflector
- Installation time reduced with improved mount design
- Compact packaging for low shipping costs
- Low visual impact
- Various mounting options available
- Feed and elevation alignment indicators

Receive Only  
Series 1761, 1111  
& 1130

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Electrical	Series 1761		Series 1111		Series 1130	
	C-Band	Ku-Band	C-Band	Ku-Band	C-Band	Ku-Band
Antenna Size	.76 M (30 in.)		1.0 M (40 in.)		1.2 M (48 in.)	
Operating Frequency (GHz)	3.625-4.2	10.95-12.75	3.625-4.2	10.95-12.75	3.65-4.2	10.95-12.75
Midband Gain ( $\pm$ .5dB)	28 dBi	37.9 dBi	30.5 dBi	40.5 dBi	32.0 dBi	42.0 dBi
3 dB Beamwidth	7.0°	2.3°	5.3°	1.7°	4.4°	1.4°
Antenna Noise Temperature (linear)						
20° elevation	57 K	49 K	55 K	47 K	54 K	46 K
30° elevation	56 K	48 K	54 K	46 K	51 K	43 K
First Sidelobe (typical)	- 23 dB	- 23 dB	- 23 dB	- 23 dB	- 23 dB	- 23 dB
Cross-Pol Isolation	>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.	
<b>Mechanical</b>						
Reflector Material	Glass Fiber Reinforced Polyester SMC					
Antenna Optics	Prime Focus, One Piece Offset Reflector					
Mount Type	Elevation over Azimuth					
Mast Pipe Size	1.5" SCH 40 Pipe (1.90" OD) 4.83 cm.		1.5" SCH 40 Pipe (1.90" OD) 4.83 cm.		2.0" SCH 40 Pipe (2.38" OD) 6.05 cm.	
Elevation Adjustment Range	5° to 90° Continuous Fine Adjustment					
Circular Elevation Adjustment Range (Series 1130 only)	12° to 90° Continuous Fine Adjustment					
Azimuth Adjustment Range	360° Continuous					
Shipping Specifications	30 lbs. (14 kg.)		40 lbs. (18 kg.)		55 lbs. (25 kg.)	
<b>Environmental Performance</b>						
Wind Loading	Operational Survival		45 mph with 2° pointing error (72 km/h) 125 mph (201 km/h)			
Temperature	Operational Survival		-40° to 140° F (-40° to 60° C) -50° to 160° F (-46° to 71° C)			
Rain	Operational Survival		1/2" / hr. 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>					



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