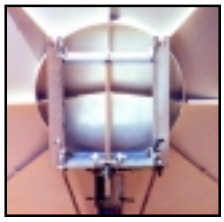
PRODELIN™
A TriPoint Global Company

Receive/Transmit

Series 1123 & 1125

1.2M KU-BAND RX/TX SERIES 1123 & 1125

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 1123

Back View
Series 1125

Option
Feed Horn w/ OMT &
Transmit Reject Filter

Key Features

- Precision Compression Molded Offset Reflector
- Fully Galvanized Steel Mounts
- Optional Non-Penetrating Mast Mount Available
- Reflector/Feed Electrical Anti-Icing Available
- Low Cost Shipping and Easy Local Handling

(828) 464-4141

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Electrical		Series 1123 & 1125 Ku-Band	
Antenna Size		1.2 M (48 in.)	
Operating Frequency (GHz)	Receive	10.95 - 12.75	
	Transmit	14.0 - 14.5	
Midband Gain (± .2dB)	Receive	41.7 dBi	
	Transmit	43.2 dBi	
Antenna Noise Temperature			
20° elevation		46 K	
30° elevation		43 K	
Sidelobe Envelope, Co-Pol (dBi)			
$1° \leq \theta \leq 20°$		29-25 Log θ	
$20° < \theta \leq 26.3°$		- 3.5 dBi	
$26.3° < \theta \leq 48°$		32 -25 Log θ	
$48° < \theta$		-10 dBi (averaged)	
Feed Interface		Available in a variety of designs	
Insertion Loss		0.2 dB max.	
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	
Mount Type		Elevation over Azimuth	
Mast Pipe Size		2.5" SCH 40 Pipe (2.88" OD) 7.32 cm	
		Series 1123	***Series 1125***
Elevation Adjustment Range		5° to 90° Continuous Fine Adjustment	12° to 90° Continuous Fine Adjustment
Azimuth Adjustment Range		360° Continuous, ± 35° Fine	360° Continuous
Shipping Specifications		83 lbs. (37.6 kg.)	61 lbs. (27.7 kg.)
Environmental Performance			
Wind Loading	Operational	50 mph (80 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^2	

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1700 NE Cable Drive • Conover, NC 28613 USA
Tel: (828) 464-4141 • Fax: (828) 466-0860
www.prodelin.com

5002-351 (5-2000)