

PRODELIN SerieS 1252/1253

Prodelin Corporation is the world's largest manufacturer of Rx/Tx VSAT antennas. Prodelin antennas provide the best quality in the market due to the sophisticated, precision SMC (Sheet Molding Compounds) compression molding process technology.



- Precision compression molded centerfed reflector
- Series 1252-Az/EI mount / Series 1253-polar mount
- Low transportation cost because of compact package
- Individual panels interchangeable and field replaceable
- Galvanized steel mounts
- Optionally with Anti Ice System

ELECTRICAL	SERIES 1252	SERIES 1253
	C-BAND	KU-BAND
Antenna size	2,4 m	2,4 m
Operating frequency	3,625-4,2 GHz	10,95-12,75 GHz
Midband gain ($\pm 0,2$ dB)	37,5 dBi	47,0 dBi
3 dBm beamwidth	2,1°	0,7°
Antenna noise temperature (normal)		
20° Elevation	33 K	29 K
30° Elevation	31 K	28 K
Feed interface	CPR 229 F	WR 75
Cross Pol isolation (linear)	> 30 dB (on axis)	> 30 dB (on axis)
First sidelobe (typical)	- 20 dB	- 20 dB
Insertion loss	0,2 dB max.	0,2 dB max.
VSWR	1,3 : 1 max.	1,3 : 1 max.
MECHANICAL		
Reflector material	Three segment glass fiber reinforced polyester (SMC)	
Antenna optics	Prime focus, axisymmetric	
Mast pipe size	5" SCH 40 pipe (5,56" OD) 14,13 cm	
Elevation adjustment range	5° ... 90° continuous fine adjustment	
Azimuth adjustment range	$\pm 45^\circ$ fine, 360° continuous	
f/D ratio/feed support	0,37/tripod feed support	
Weight	93 kg	111 kg
ENVIRONMENTAL PERFORMANCE		
Wind loading	operational	80 km/h
	survival	201 km/h
Temperature	operational	- 40° ... 60°C
	survival	- 46° ... 71°C
Rain	operational	127 mm /hr
	survival	508 mm /hr
Ice	operational	---
	survival	127 mm radial
Atmospheric conditions	Salt, pollutants and contaminants as encountered in coastal and industrial areas	
Solar radiation	360 BTU/h/ft ²	