

PRODELIN Series 1761, 1111, 1130

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

ELECTRICAL	SERIES 1761		SERIES 1111		SERIES 1130	
	C-BAND	KU-BAND	C-BAND	KU-BAND	C-BAND	KU-BAND
Antenna size	0,76 m		1,0 m		1,2 m	
Operating frequency	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 ($\pm 0,5$ dB)	20 dBi	37,9 dBi	30,5 dBi	40,5 dBi	32,0 dBi	42,0 dBi
3 dBm 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.	
MECHANICAL						
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") 3,81 cm SCH 40 pipe (1,90" OD) 4,83 cm		(1,5") 3,81 cm SCH 40 pipe (1,90" OD) 4,83 cm		(2,0") 5,08 cm SCH 40 pipe (2,38" OD) 6,05 cm	
Elevation adjustment range	5° ... 90° continuous fine adjustment					
Azimuth adjustment range	12° ... 90° continuous fine adjustment					
Circular elevation adjustment range	360° continuous					
Weight	14 kg		18 kg		25 kg	
ENVIRONMENTAL PERFORMANCE						
Wind loading	operational	72 km/h with 2° pointing error				
	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					