

3.0 Meter Prime Focus Receive Only Antenna



VIKING
SATCOM

Your Trusted Source for Satellite Equipment

- **Precision Compression Molded 8 Panel Reflector**
- **Fixed Az/EI or Motorized Dual-axis Navigator Mount Options**
- **Low Transportation Costs**
- **Galvanized Mounts**
- **Individual Panels Interchangeable and Field Replaceable**

ELECTRICAL SPECIFICATIONS		
	C-Band	Ku-Band
Antenna Size	3.0 Meter	3.0 Meter
Operating Frequency (GHz)	3.625 to 4.2 GHz	10.95 to 12.75 GHz
Midband Gain (\pm .2dB)	40.0 dBi	49 dBi
3dB Beamwidth	1.7°	0.6°
Antenna Noise Temperature (20° Elevation)	30 K	29 K
Antenna Noise Temperature (30° Elevation)	28 K	26 K
Feed Interface	CPR229F	WR75
First Sidelobe (typical)	-20 dB	
Cross-Pol Isolation (Linear)	>30 dB (on axis)	
VSWR	1.3:1 Max.	
Insertion Loss	-30 dB	

MECHANICAL SPECIFICATIONS	
Reflector Material	Eight Segment Glass Fiber Reinforced Polyester SMC
Antenna Optics	Prime Focus, Axisymmetric
Mast Pipe Size	6" SCH 80 Pipe (6.62" OD)
F/D Ratio / Feed Support	.30 / Quad Feed Support
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	90° arc coverage with 36" actuator

ENVIRONMENTAL SPECIFICATIONS	
Wind Load	
Survival	125 mph (201 km/h)
Operational	45 mph (72 km/h)
Temperature	
Survival	-50° to 160° F (-46° to 71° C)
Operational	-40° to 140° F (-40° to 60° C)

TELE:Syn

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