



3.0 Meter Prime Focus Receive Only Antenna

P300FAE
P300PLR



- 8 Piece Precision Compression Molded Centerfed Reflector
- Low Transportation Cost with Eight Panel Reflector
- Fixed Az/EI or Polar Mount Options

Antenna Size - 3.0 Meter

Electrical Specifications	C BAND	KU-BAND
Operating Frequency (GHz)	3.625 – 4.2	10.95 – 12.75
Midband Gain, dBi (± .5dB)	40 dBi	49 dBi
3dB Beamwidth	1.7°	0.6°
Antenna Noise Temperature (20° Elevation)	30K	29K
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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		
Operational	-40° to 140°F (-40° to 60° C)	
Survival	-50° to 160°F (-46° to 71° C)	