

4.5 Meter Prime Focus Receive Only Antenna



P450FAE

- Precision Compression Molded Prime Focus Reflector
- Low Transportation Cost with Eight Panel Reflector
- Includes Kingpost Mount

ELECTRICAL SPECIFICATIONS		
	C-Band	Ku-Band
Operating Frequency (GHz)	3.625 – 4.2	10.95 – 12.75
Midband Gain, dBi (± .5dB)	42.9 dBi	52.6 dBi
3dB Beamwidth	1.2°	0.42°
Feed Interface	CPR229	WR75
First Sidelobe (typical)	-20 dB	
Cross-Pol Isolation (Linear)	>30 dB (on axis)	
VSWR	1.3:1 Max.	
Insertion Loss	0.2 dB	
MECHANICAL SPECIFICATIONS		
Reflector Diameter	4.5m	
Reflector Material	Eight Segment Glass Fiber Reinforced Polyester SMC	
Antenna Optics	Prime Focus, Axisymmetric	
Mast Pipe Size	10" SCH 40 Pipe (10.75" OD)	
F/D Ratio / Feed Support	.30 / Quad Feed Support	
Elevation Adjustment Range	5° to 90° Continuous Fine Adjustment (90° optional)	
Azimuth Adjustment Range	360° Continuous	
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)	

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 Specifications are subject to change without notice