

# 2.4 Meter Prime Focus Receive Only Antenna



Your Trusted Source for Satellite Equipment



**P240FAE**  
**P240PLR**

- **Prime Focus 2.4 Meter Precision Compression Molded 3 Panel Reflector**
- **Fixed Az/EI or Polar Mount Options**
- **Galvanized Mounts**
- **Individual Panels Interchangeable and Field Replaceable**
- **Low Transportation Costs**

ELECTRICAL SPECIFICATIONS		
	C-Band	Ku-Band
Antenna Size	2.4 Meter	2.4 Meter
Operating Frequency (GHz)	3.625 to 4.2 GHz	10.95 to 12.75 GHz
Midband Gain ( $\pm .5$ dB)	37.5 dBi	47.0 dBi
3dB Beamwidth	2.1°	0.7°
Antenna Noise Temperature (20° Elevation)	33 K	29 K
Antenna Noise Temperature (30° Elevation)	31 K	28 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	0.2 dB	

MECHANICAL SPECIFICATIONS	
Reflector Material	Three Segment Glass Fiber Reinforced Polyester SMC
Antenna Optics	Prime Focus, Axisymmetric
Mast Pipe Size	5" SCH 40 Pipe (5.56" OD)
F/D Ratio / Feed Support	.37 / Tripod Feed Support
Elevation Adjustment Range	5°~90° Continuous Fine Adjustment
Azimuth Adjustment Range	$\pm 45^\circ$ FINE, 360° Continuous
Declination Corrected Polar Range	90° arc coverage with 24" actuator
ENVIRONMENTAL SPECIFICATIONS	
Wind Load	
Survival	125 mph (201 km/h)
Operational	50 mph (80 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