

1.8 Meter Offset Receive Only Antennas

P180FAE



- Precision Compression Molded Offset Reflector
- Fully Galvanized Steel Az/EI mount
- Upgradable to Transmit Receive

Antenna Size - 1.8

Electrical Specifications	C-BAND	KU-BAND
Operating Frequency (GHz)	3.625 – 4.2	10.95 – 12.75
Midband Gain, dBi (± .2dB)	35.5 dBi	45.5 dBi
3dB Beamwidth	2.9°	0.9°
Antenna Noise Temperature (20° Elevation)	49K	38K
Antenna Noise Temperature (30° Elevation)	47K	35K
Feed Interface	CPR229F	WR75
First Sidelobe (typical)	-20 dB	
Cross-Pol Isolation (Linear)	>30 dB (on axis)	
VSWR	1.3:1 Max.	
Mechanical Specifications		
Reflector Material	Glass Fiber Reinforced Polyester SMC	
Antenna Optics	Prime Focus, One-Piece Offset Feed	
Mast Pipe Size	3.5" SCH 40 Pipe (4.00" OD)	
F/D Ratio / Feed Support	.37 / Tripod Feed Support	
Elevation Adjustment Range	5° to 90° Continuous Fine Adjustment	
Azimuth Adjustment Range	360° Continuous	
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)	