

1.8 Meter Offset Receive Only Antenna



Your Trusted Source for Satellite Equipment



P180FAE

- **Precision Compression Molded Offset Reflector**
- **Installation time reduced with improved mount design**
- **Fully Galvanized Steel Az/EI Mount**
- **Fixed Az/EI or Polar Mount available**
- **Upgradable to Transmit Receive**

ELECTRICAL SPECIFICATIONS

	C-Band	Ku-Band
Antenna Size	1.8 Meter	1.8 Meter
Operating Frequency (GHz)	3.625 to 4.2 GHz	10.95 to 12.75 GHz
Midband Gain ($\pm .2$ dB)	35.5 dBi	45.5 dBi
3dB Beamwidth	2.9°	0.9°
Antenna Noise Temperature (20° Elevation)	49 K	38 K
Antenna Noise Temperature (30° Elevation)	47 K	35 K
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
Mount Type	Elevation over Azimuth
Mast Pipe Size	3.5" SCH 40 Pipe (4.0" OD)
f/D Ratio / Feed Support	0.6 / Tripod Feed Support
Elevation Adjustment Range	5°~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	
Survival	-50° to 160° F (-46° to 71° C)
Operational	-40° to 140° F (-40° to 60° C)

RECEIVE-ONLY_P180FAE_OFF_REV003
Specifications are subject to change without notice

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