

1.0 & 1.2 Meter Offset Receive Only Antennas



Your Trusted Source for Satellite Equipment



P100FAE
P120FAE

- Precision Compression Molded Reflector
- Includes Single Polarity Ku Feed
- Compact Packaging for Low Shipping Costs
- Various Mounting Options available

ELECTRICAL SPECIFICATIONS		
Antenna Size	1.0 Meter	1.2 Meter
	Ku-Band	Ku-Band
Operating Frequency (GHz)	10.95 to 12.75 GHz	10.95 to 12.75 GHz
Midband Gain (\pm .5dB)	40.5 dBi	42.0 dBi
3dB Beamwidth	1.7°	1.4°
Antenna Noise Temperature (20° Elevation)	47 K	46 K
Antenna Noise Temperature (30° Elevation)	46 K	43 K
Operating Frequency (GHz)	3.7 – 4.2	10.95 – 12.75
Feed Interface	WR-75	
First Sidelobe (typical)	-23 dB	
Cross-Pol Isolation	>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 Reflector	
Mount Type	Elevation over Azimuth	
Mast Pipe Size	1.0 Meter	1.2 Meter
	1.90" OD	2.38" OD
Elevation Travel	0°~90° Continuous Fine Adjustment	
Circular Elevation Adjustment Range (1.2m Only)	12°~90° Continuous Fine Adjustment	
Azimuth Adjustment	360° Continuous	
ENVIRONMENTAL SPECIFICATIONS		
Wind Load	Survival	125 mph (201 km/h)
	Operational	45 mph with 2° pointing error (72 km/h)
Temperature	Survival	-50° to 160° F (-46° to 71° C)
	Operational	-40° to 140° F (-40° to 60° C)

RECEIVE-ONLY_P100FAE_P120FAE_OFF_REV002
Specifications are subject to change without notice

sales@vikingsatcom.com • www.vikingsatcom.com

T: 517.629.3000 • F: 517.629.2379 • 704 North Clark Street • Albion, MI