



Prime Focus 3.0, 3.4 & 3.7 Meter Motorized Dual Axis Antennas



- Dual Axis Motorized Az/EI Navigator Mount
- Azimuth Travel 120° / Elevation Travel 5 – 90°
- Mounts on a 6 5/8" OD Mounting Mast
- 8 Panel Prime Focus Sectional Reflector

Antenna Size	3.0 Meter		3.4 Meter		3.7 Meter	
	C band	Ku-band	C band	Ku-band	C band	Ku-band
Operating Frequency (GHz)	3.7 – 4.2	10.95 -12.75	3.7 – 4.2	10.95 -12.75	3.7 – 4.2	10.95 -12.75
Midband Gain (± .5dB)	40 dBi	49 dBi	40.2 dBi	49.8 dBi	40.9 dBi	50.7 dBi
3dB Beamwidth	1.7°	0.6°	1.6°	0.53°	1.45°	0.5°
Antenna Noise Temp (20° Elevation)	30 K	29 K	29 K	28 K	25 K	23 K
Antenna Noise Temp (30° Elevation)	28 K	26 K	27 K	25 K	23 K	22 K
Feed Interface	CPR 229F	WR 75	CPR 229F	WR 75	CPR 229F	WR 75
First Sidelobe (typical)	-20 dB		-20 dB		-20 dB	
Cross-Pol Isolation (Linear)	>30 dB (on axis)		>30 dB (on axis)		>30 dB (on axis)	
VSWR	1.3:1 Max.		1.3:1 Max.		1.3:1 Max.	
Insertion Loss	-30 dB		0.2 dB Max.		0.2 dB Max.	
Mechanical Specifications						
Reflector Material	Eight Segment Glass Fiber Reinforced Polyester SMC					
Antenna Optics	Prime Focus, Axisymmetric					
Mast Pipe Size	6" SCH 80 Pipe (6.62" OD)					
Elevation Travel	5 to 90° (70° Range of motion)					
Azimuth Travel	120°					
f/D Ratio	.30		.36		.37	
Environmental Specifications						
Operational Wind Speed	45 mph (72 km/h)					
Survival Wind Speed	125 mph (201 km/h)					
Temperature – Operational	-40° to 140°F (-40° to 60° C)					
Temperature – Survival	-50° to 160°F (-46° to 71° C)					