

# 4.5 Meter Prime Focus Receive Only Antenna



Your Trusted Source for Satellite Equipment



4.5m Prime Focus Antenna System

- High Accuracy Aluminum Panels
- Factory Assembled Mount Reduces Installation Time
- Contoured petals with matched radial beams and hub assembly ensure easy installation without field alignment.
- Fixed and Motorized Mounts

## ELECTRICAL SPECIFICATIONS

	C-Band	Ku-Band
Operating Frequency (GHz)	3.625 – 4.2	10.70 – 12.75
Midband Gain, dBi (± .5dB)	42.7 dBi	51.9 dBi
Noise Temperature	50 K @ 10°	55 K @ 10°
Ports/Polarization	1 or 2 port Circular 1 or 2 port linear	1 or 2 port linear
Polarization Rotation	360° Continuous	360° Continuous
Polarization Isolation	30 dB LP	30 dB LP
VSWR	Rx 1.4:1	Rx 1.3:1
Feed Flanges	Rx CPR 229G	Rx WR75

## MECHANICAL SPECIFICATIONS

	AZ-EL Head	Kingpost
F/D Ratio	0.35	0.35
Focal Distance	62	62
Azimuth Travel	360° Continuous	Fixed: 132° Arc Motorized: 120° Arc
Elevation Travel	15° to 90°	15° to 90°
Polarization Travel	+/- 90°	+/- 90°
Total Weight	964 lbs.	875 / 725 lbs.

## ENVIRONMENTAL SPECIFICATIONS

Wind Loading Operational Survival	45 mph (72 km/h); gusts to 60 mph (97 km/h) 125 mph (200 km/h) @ 58°F (15°C)
Temperature Operational Survival	-40° to 140° F (-40° - 60° C) -60° to 180° (-51° to 82° C)
Rain Operational Survival	1/2 in/hr (1.25 cm/hr) 3 in/hr (7.6 cm/hr)

RECEIVE-ONLY\_P450FAE\_C-KU\_REV005  
Specifications are subject to change without notice

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