

4.5M PRODELIN

C/Ku-Band

Prime Focus Rx Antenna



Features

- Precision Compression Molded Centerfed Reflector
- Low Transportation Cost with Eight Panel Reflector
- Individual Panels Interchangeable and Field Replaceable
- Fully Galvanized Steel Mounts
- Az/EI or Declination Corrected Polar Mounts
- Optional Galvanized King Post Available

Summary

The Prodelin 4.5 Meter is a precise, quality, state-of-the-art C or Ku-Band Receive-Only Antenna. It features a variety of mounts and a glass fiber reinforced galvanized reflector which is powder coated for superior protection against the elements.

The 4.5 Meter Receive-Only reflector consists of 8 draw die formed contoured petals with matched radial beams. This straightforward construction approach requires no field alignment, significantly reducing installation time and cost. The Prodelin 4.5 Meter Prime Focus is one of the highest performance antennas in the industry due to its sophisticated, precision SMC compression molding process technology.

ATCi provides the best value antenna solutions to market with competitive pricing, highest quality products and unmatched engineering support.

Applications

- Broadcasting
- Cable TV & Radio
- Corporate Business
- Government & Military
- Educational Institutions

Specifications: 4.5m C/Ku-Band Prime Focus Rx Antenna

ELECTRICAL	Series 1451	
	C-Band	Ku-Band
Antenna Size	4.5 M (15 ft.)	4.5 M (15 ft.)
Operating Frequency	3.625 - 4.2	10.95 - 12.75
Midband Gain (+/- .5 dB)	42.9 dBi	52.6 dBi
Polarization	Linear	Linear
3 dB Beamwidth	1.2°	.42°
Feed Interface	CPR 229	WR 75
First Sidelobe (Typical)	-20 dB	-20 dB
Cross-Pol Isolation	>30 dB (on axis)	>30 dB (on axis)
VSWR	1.3:1 Max.	1.3:1 Max
MECHANICAL	<p data-bbox="857 793 1286 825">Glass Fiber Reinforced Polyester SMC</p> <p data-bbox="857 825 1260 856">Prime Focus, 8 Piece Axisymmetric</p> <p data-bbox="857 856 1325 888">10" SCH 40 Pipe (10.75" OD) 27.30 cm.</p> <p data-bbox="857 888 1458 919">5° to 90° Continuous Fine Adjustment (90° Optional)</p> <p data-bbox="857 919 1049 951">360° Continuous</p> <p data-bbox="857 951 1162 982">Weight: 950 lbs. (428 kg.)</p>	
ENVIRONMENTAL PERFORMANCE	<p data-bbox="164 1083 383 1115">Wind Loading</p> <p data-bbox="245 1115 383 1146">Operational 45 mph (72 km/h)</p> <p data-bbox="245 1146 383 1178">Survival 125 mph (201 km/h)</p> <p data-bbox="164 1178 310 1209">Temperature</p> <p data-bbox="245 1209 383 1241">Operational -40° to 140° F (-40 to 60° C)</p> <p data-bbox="245 1241 383 1272">Survival -50° to 160° F (-46° to 71° C)</p> <p data-bbox="164 1314 431 1346">Atmospheric Conditions</p> <p data-bbox="857 1314 1463 1377">Salt, Pollutants and Contanimants as Encountered in Coastal and Industrial Areas.</p> <p data-bbox="164 1409 334 1440">Solar Radiation 360 BTU/h/ft²</p>	