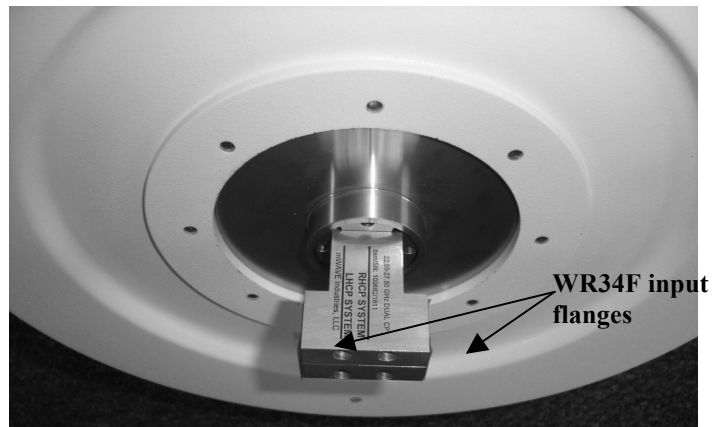


## 28 inch K/Ka-band Dual Circular Polarized Cassegrain Antenna

### Model RPCD2.3-250-34F

- The main reflector is a precision 28" diameter low-RMS lightweight composite reflector. The primary radiator is a machined corrugated conical horn providing exceptional polarization discrimination performance, sidelobe suppression, and beam symmetry.
- The corrugated horn is outfitted with an aperture window for environmental protection. The RF interfaces are WR34F style waveguide inputs located behind the vertex of the main reflector. Each RF port operates from 22.55 to 27.5 GHz.
- The gain is 41 dBic nominal at 25 GHz. The on-axis axial ratio is 1.5 dB maximum. The VSWR is 1.5:1 maximum. Power handling is 200 Watts CW.
- The antenna mounting surface is located behind the vertex of the main reflector. Mounting provisions consist of four 1/4-20 UNC tapped holes equally spaced on a 12" diameter bolt circle.
- Finish is white paint for the main reflector and spars and Type 1 gold chromate metal finish for the aluminum parts. All fasteners are stainless steel.

NOTE: mWAVE can outfit this antenna with a waveguide switch to provide remote switching capability for single circular polarized requirements. For additional information please refer to mWAVE Industries Model RPCS2.3-250-42O.



*Contact mWAVE Industries, LLC for your antenna development and manufacturing needs.*