



4.9-6.0GHz Wideband Parabolic Reflector Antenna Series with Radome

The MPRC prime focus parabolic reflector antenna series suppresses extraneous sidelobe and cross-polarized energy. These antennas feature a micro fine elevation and azimuth adjustment kit. The MPRC series is provided with a radome as a standard feature.

Features

- Availability in two and three foot diameter sizes
- Radome comes standard and installed
- Rear mounted feed - radome never has to be removed
- Linear, continuous polarization adjustment
- Fine adjustment mechanism for elevation and azimuth
- Assembled and attached offset mount allows easy access to connector
- Double saddle mounting brackets will accommodate pipe attachments ranging from 1.625" to 4.5" OD
- Robust mounting structure. Three point mount attachment improves stability and prevents reflector distortion and mechanical oscillation
- 2 foot versions are UPS shippable



Technical Data

General Specifications: Prime Focus Parabolic Reflector Antenna
Maximum Power: 5 watts
Nominal Impedance: 50 ohms
SWR/return loss: < 1.5 / >13.9 dB
Polarization: Linear, continuously adjustable
Front-to-back Ratio: 36 dB (MPRC2449) 43 dB (MPRC3649)
Interface Connector: Type N female
Mount Interface: Accommodates 1.625" to 4.5" pipe OD

RF/Electrical Specifications

Model	Frequency Range	Nominal Gain (+/- 0.5 dB at mid band)	3 dB Beamwidth, Nominal
MPRC2449	4.9 - 6.0 GHz	27.7 dBi at 4.9 GHz 28.5 dBi at 5.25 GHz 29.0 dBi at 5.8 GHz	6°
MPRC3649	4.9 - 6.0 GHz	30.4 dBi at 4.9 GHz 31.2 dBi at 5.25 GHz 32.0 dBi at 5.8 GHz	4°

Mechanical Specifications

Model	Wind Survival with 1/2" of radial ice	Temperature Range	Diameter
MPRC2449	125 mph	40°C to +80°C	26" (66 cm)
MPRC3649	125 mph	40°C to +80°C	36" (91 cm)