

### 3.3 to 3.8 GHz 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
- 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



#### Antenna Electrical Specifications

| Model    | Frequency Range | Nominal Gain (+/- 0.5 dB at mid band) | 3 dB Beamwidth, Nominal |
|----------|-----------------|---------------------------------------|-------------------------|
| MPRC2434 | 3.3 - 3.8 GHz   | 25.0 dBi                              | 8.7°                    |
| MPRC3634 | 3.3 - 3.8 GHz   | 27.8 dBi                              | 6.3°                    |

#### Mechanical Specifications

| Model    | Wind Survival with 1/2" of radial ice | Temperature Range | Diameter |
|----------|---------------------------------------|-------------------|----------|
| MPRC2434 | 125 mph                               | -40°C to +80°C    | 26"      |
| MPRC3634 | 125 mph                               | -40°C to +80°C    | 36"      |



#### Technical Data

|   |
|---|
| <b>General Specifications:</b><br>Prime Focus Parabolic Reflector Antenna |
| <b>Maximum Power:</b><br>5 watts  |
| <b>Nominal Impedance:</b><br>50 ohms                                      |
| <b>SWR/return loss:</b><br>< 1.5 / >13.9 dB                               |
| <b>Polarization:</b><br>Linear, continuously adjustable                   |
| <b>Front-to-back Ratio:</b><br>32 dB (MPRC2434)<br>33 dB (MPRC3634)       |
| <b>Interface Connector:</b><br>Type N female                              |
| <b>Mount Interface:</b><br>Accommodates 1.625" to 4.5" OD                 |