

Millennium Parabolic

Portable Parabolic Antennas



Applications

- Parabolic Antennas for portable microwave links

Features

- Broadband models:
 - ◆ 1.7 to 1.99 GHz
 - ◆ 1.99 to 2.7 GHz
 - ◆ 6.4 to 7.4 GHz
 - ◆ 7.1 to 7.7 GHz
 - ◆ 12.7 to 13.2 GHz
 - ◆ 14.4 to 15.35 GHz
- Choice of mounts:
 - ◆ Twist Lock Reflector
 - ◆ Quick Connect Feed
- Choice of sizes:
 - ◆ 2-foot
 - ◆ 3-foot
 - ◆ 4-foot

Overview

The MRC family of parabolic antennas for field production includes 2, 3, and 4 foot antennas to cover the major microwave bands, including 1.9 to 2.7, 6.4 to 7.4, 7.1 to 7.7, 12.7 to 13.2, and 14.5 to 15.7 GHz.

The new aluminum reflectors offer superior performance in a lightweight design. Most antennas are available in each band, and the 1-foot and 2-foot antennas are available in a choice of two mounts: Twist Lock reflector and quick connect feed. Both approaches to mounting offer advantages. The twist lock reflector mount is compact and very easy to connect and disconnect. The quick connect feed design makes it particularly easy to store the antenna dishes and feeds, while also making it possible to change feeds in the field without changing the reflector or mount.

The new L-bracket design for the tripod mount is both compact and rugged. These antenna mounting systems are fast and easy to deploy and can be set up without the need of tools.

In addition to radio and tripod mounting configurations, the 2-foot, 3-foot, and 4-foot parabolic antennas are also available in pole mount and tower mount versions.

SPECIFICATIONS

2-FOOT (60 CM)

| Band | 2 GHz | 6 GHz | 7 GHz | 13 GHz | 15 GHz |
|--|-----------------|----------------|----------------|------------------|-------------------|
| Frequency Range | 1.9 to 2.7 GHz* | 6.4 to 7.4 GHz | 7.1 to 7.7 GHz | 12.7 to 13.2 GHz | 14.4 to 15.35 GHz |
| Gain Typical | 19 dBi | 30 dBi | 31 dBi | 35 dBi | 36 dBi |
| Beamwidth, Typical | 15° | 4.5° | 4.4° | 2° | 1.8° |
| Polarization Options | | | | | |
| Linear | 4 | 4 | 4 | 4 | 4 |
| Circular Right & Left | 4 | --- | --- | --- | --- |
| RCP/LIN/LCP (switchable) | --- | 4 | 4 | 4 | --- |
| Mounting Options | | | | | |
| Quick Connect Feed: | 4 | 4 | 4 | 4 | 4 |
| Twist Lock Reflector * 1.7 to 1.99 optional | 4 | 4 | 4 | 4 | --- |

3-FOOT (90 CM)

| Band | 2 GHz | 6 GHz | 7 GHz | 13 GHz | 15 GHz |
|--------------------------|----------------|----------------|----------------|------------------|-------------------|
| Frequency Range | 1.9 to 2.7 GHz | 6.4 to 7.4 GHz | 7.1 to 7.7 GHz | 12.7 to 13.2 GHz | 14.4 to 15.35 GHz |
| Gain Typical | 23 dBi | 32.5 dBi | 34 dBi | 38 dBi | 40 dBi |
| Beamwidth, Typical | 10° | 3° | 2.8° | 1.5° | 1.3° |
| Polarization Options | | | | | |
| Linear | 4 | 4 | 4 | 4 | 4 |
| Circular Right & Left | 4 | --- | --- | --- | --- |
| RCP/LIN/LCP (switchable) | --- | 4 | 4 | 4 | --- |
| Mounting Options | | | | | |
| Quick Connect Feed: | 4 | 4 | 4 | 4 | 4 |

4-FOOT (120CM)

| Band | 2 GHz | 6 GHz | 7 GHz | 13 GHz | 15 GHz |
|---|-----------------|----------------|----------------|------------------|-------------------|
| Frequency Range | 1.9 to 2.7 GHz* | 6.4 to 7.4 GHz | 7.1 to 7.7 GHz | 12.7 to 13.2 GHz | 14.4 to 15.35 GHz |
| Gain Typical | 25 dBi | 36 dBi | 37 dBi | 41 dBi | 42 dBi |
| Beamwidth, Typical | 8° | 2.5° | 2.4° | 1.2° | 1.1° |
| Polarization Options | | | | | |
| Linear | 4 | 4 | 4 | 4 | 4 |
| Circular Right & Left | 4 | --- | --- | --- | --- |
| RCP/LIN/LCP (switchable) | --- | 4 | 4 | 4 | --- |
| Mounting Options | | | | | |
| Quick Connect Feed: * 1.7 to 1.99 optional | 4 | 4 | 4 | 4 | 4 |



*Tripod-Mounted 4 foot Parabolic Antenna
with optional Diplexer*

