



# Antennas

DATA SHEET

Parabolic Antenna for "ECHO" Repeater

ANT-2300-PB-24



- High Gain
- 13° Horizontal Beamwidth
- 9.5° Vertical Beamwidth
- Highly Directional

## Overview

The CCI parabolic antenna for 2W ECHO Repeater is a high gain antenna which is highly directional and is excellent for point to point connections.

### Technical Description:

This antenna's powder coated die-cast aluminum grid offers corrosion resistance and diminished wind loading. The weather resistant feed assembly offers low VSWR and features a 15 inch lead with an N-female connector. It can be installed for either vertical or horizontal polarization.

The parabolic antenna consists of a 2-piece die-cast reflector, feed assembly, pole mounted 60 degree tilt/swivel bracket, and assembly hardware.



# Antennas

## SPECIFICATIONS

### Parabolic Antenna for "ECHO" Repeater

ANT-2300-PB-24

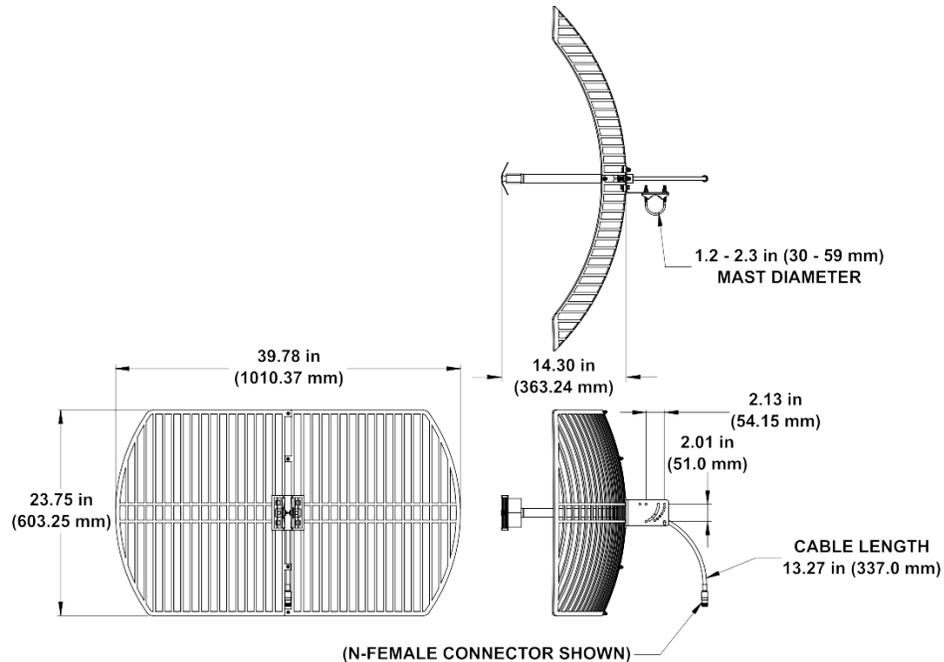
#### Electrical

Ports	1 x 2300 Band Port
Frequency Range	2324.54-2341.285 MHz
Gain	24 dBi
HPBW/H	13°
HPBW/V	9.5°
Voltage Standing Wave Ratio(VSWR)	< 1.5:1
Passive Intermodulation (2x20W)	≤ -150 dBc
Input Power Continuous Wave (CW)	100 watts
Polarization	Vertical or Horizontal
Input Impedance	50 ohms
Lightning Protection	DC Short

#### Mechanical

Dimensions (LxWxD)	40.2x23.6x15.0 in (1021x600x380 mm)
Survival Wind Speed	> 134 mph (> 216 kph)
Weight	5.15 lbs (2.3 kg)
Operating Temperature	-40° C to +65° C
Connector	1 x N-female
Cable Length	15 inch
Mounting Pole	1.2 to 2.0 in (30 to 50 mm)

Outline Drawing





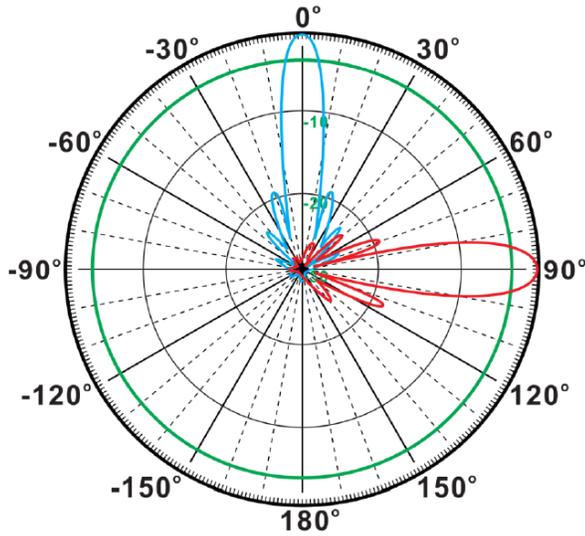
# Antennas

## SPECIFICATIONS

### Parabolic Antenna for "ECHO" Repeater

ANT-2300-PB-24

#### Typical Antenna Patterns



2324.54 - 2341.285 V-Plane and H-Plane Pattern



# Antennas

## STANDARDS & CERTIFICATIONS

### Parabolic Antenna for "ECHO" Repeater

ANT-2300-PB-24

#### Parts & Accessories

**ANT-2300-PB-24** 24 dB Gain Parabolic Antenna with mounting kit and hardware

#### Certifications

ISO 9001



**CCI** Communication Components Inc.  
EXTENDING WIRELESS PERFORMANCE