

### MINI DIRECTIONAL ANTENNA, 2400 TO 2483 MHz OPERATION

The 2.4 GHz mini directional antennas offered by Laird Technologies are a sub-compact antenna for the most demanding client applications. The antennas offer high gain in an ultra-small, aesthetically pleasing package. These are constructed of gray color UV ABS plastic with aluminum backplate and a stainless steel mounting bracket.

The antenna can be used in horizontal or vertical polarization by making a change to the bracket mounting. The stainless steel bracket affords +/- 15° tilt adjustment. The compact, low visual impact attractive styling blends well in almost any application. The antenna comes with an integral N female connector standard.

### FEATURES AND BENEFITS

- 12 dBi gain in a mini directional antenna
- Rugged and weatherproof
- Ultra low wind loading and ultra low visual impact
- Vertical or horizontal polarization
- Type N female connector
- Stainless steel bracket and hardware

### SPECIFICATIONS

PARAMETER	
Frequency range	2400 to 2483 MHz
Gain	12 dBi
Horizontal beamwidth	65°
Vertical beamwidth	34°
Front-to-back	25 dB
Input return loss (S11)	-14 dB
VSWR	1.5:1
Impedance	50 ohm
Input power	100 W
Operating temperature	-40°C to +70°C
Pole size	1 to 1.66 in (25 mm to 39 mm)
Weight	13.5 oz (383 g)
Dimension (W x L x H)	4 x 4 x 4 in (102 x 102 x 102 mm)
Bracket tilt	15°

### SYSTEM ORDERING

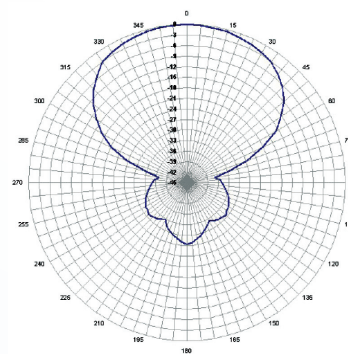
MD24-12 2.4 GHz 12 dBi Mini Directional Antenna

### APPLICATIONS

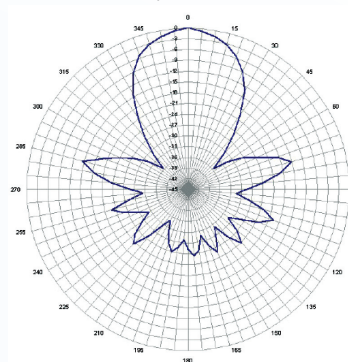
- 2.4 GHz wireless LAN applications
- 802.11b/g client antennas
- WiMAX

### ANTENNA PATTERNS

Horizontal plane 2400 MHz



Elevation plane 2400 MHz



### global solutions: local support™

Americas: +1.847.839.6907  
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12  
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022  
IAS-AsiaSales@lairdtech.com

[www.lairdtech.com](http://www.lairdtech.com)

ANT-DS-MD24-12 0611

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user. Laird Technologies makes no warranties as to the fitness, merchantability, suitability or non-infringement of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2011 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.