



### FULLY ENCLOSED YAGI IS ULTIMATE POINT-TO-POINT WiFi ANTENNA

Laird Technologies' fully enclosed Yagi series antennas are the indoor and outdoor solution for point-to-point WiFi transmissions. Designed and constructed with superior materials and components, the antennas will provide years of uninterrupted performance.

### FEATURES AND BENEFITS

- High gain antenna compatible with 300 watts maximum power
- 150 mph rated wind velocity allows for outdoor installations
- All antennas include mounting bracket for easy mast mounting

### APPLICATIONS

- Outdoor or indoor WiFi applications for corporate or campus-wide wireless communications networks.

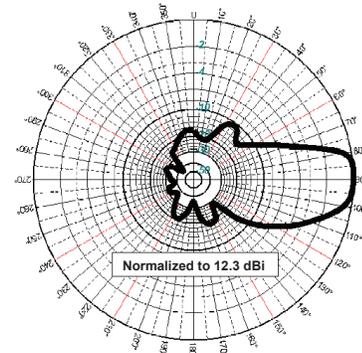
#### ELECTRICAL SPECIFICATIONS

Frequency Range	2400 - 2500 MHz
Frequency Bandwidth	100 MHz @ VSWR <1.5:1
VSWR	< 2.0:1
Nominal Gain	12.3 dBi
Front to Back Ratio	25 dB
Maximum Power	300 W
Nominal Impedance	50 Ω
Polarization	Vertical or Horizontal
Horizontal Beamwidth (For Vertical Polarization)	33°
Vertical Beamwidth (For Vertical Polarization)	37°

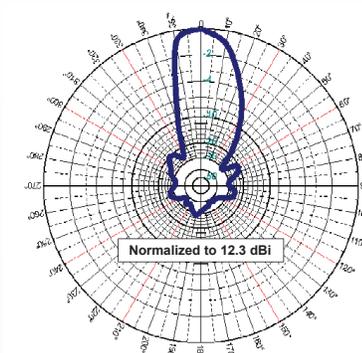
#### MECHANICAL SPECIFICATIONS

Material	Aluminum
Length	8"
Boom Diameter	3"
Weight	0.68 lb
Rated Wind Velocity	150 mph (241 kph)
Rated Wind Velocity (with 0.5" radial ice)	80 mph (130 kph)
Equivalent Flat Area	0.1667 sq. ft.
Cable	18" low loss dual shield coaxial cable
Termination	N-Female connector
Color	White
Mounting	Two (2) inches U-bolts and brackets for easy mast mounting.

#### ANTENNA PATTERNS



Vertical-to-Vertical Polarization  
Azimuthal Pattern (X, Y or E-Plane)



Horizontal-to-Horizontal Polarization  
Elevation Pattern (Y, Z or H-Plane)

### 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)

IAS-DS-YE24007 0411

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 trade marks or registered trade marks 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Laird Connectivity:](#)

[YE24007](#)