Part No.1001932P1--AA10L0254
Embedded WIFI Dual Band Antenna
2.4GHz, 5GHz

Dual Band WIFI Antennas with MHF connector

WLAN - 802.11 a,b,g,n

Ethertronics WLAN antennas use specific technology in a trace configuration to provide high performance. Ethertronics antennas requires a smaller design keep-out area, carry lower program development risk which yields a quicker time-to-market, without sacrificing RF performance.

KEY BENEFITS

Reduced Costs and Time-to-Market
Standard antenna eliminates design fees and cycle time associated with a custom solution; getting products to market faster.

Greater Flexibility with Unique Form Factors
Ethertronics' technology helps you deliver more advanced ergonomic designs without adverse impact on product performance.

RoHS Compliant
Ethertronics' antennas are fully compliant with the European RoHS Directive 2002/95/EC.

APPLICATIONS

- Notebook Computers
- Access Points
- WiFi Enabled
- M2M
- Medical Devices

Electrical Specifications

Typical Characteristics in with PC/ABS loading, in freespace

Frequency	2,440 MHz	5,500 MHz
Average Efficiency	70.89 %	75.25 %
VSWR	2:1	2:1
Peak Gain	2.79 dBi	4.20 dB
Polarization	Linear	
Power Handling	2 Watts CW	
Feed Point Impedance	50 ohms unbalanced	

Mechanical Specifications

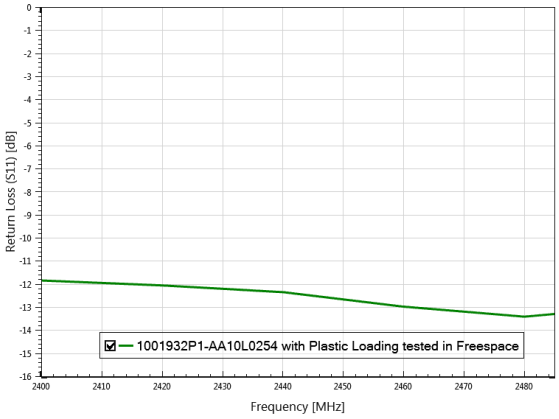
Dimensions	35.2 x 8.5 x 1.7 mm
Weight	1.29g +/- 0.1g
Antenna Mounting	254mm long 1.13mm diameter coax cable MHF connector

Ethertronics' 1001932P1 Specifications
Below are typical performances.

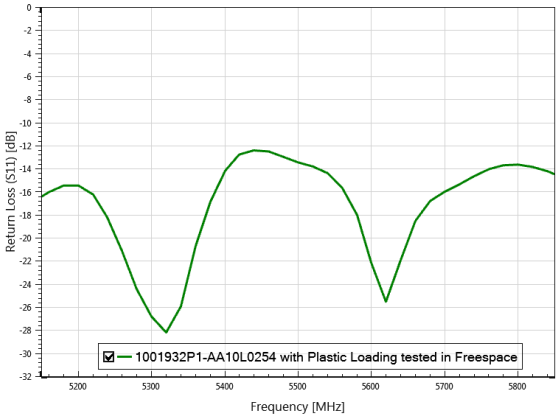
Typical Return Loss and Efficiency plots

Measured in Free Space with PC/ABS plastic loading

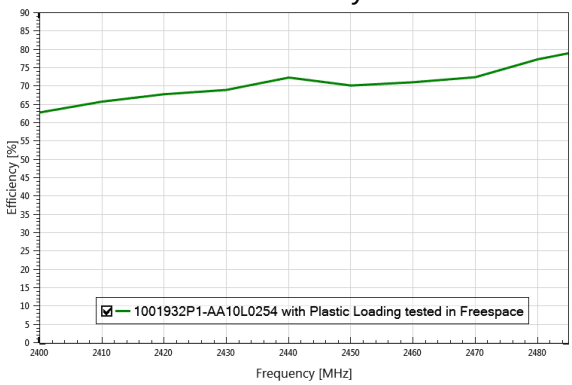
2.4GHz Return Loss



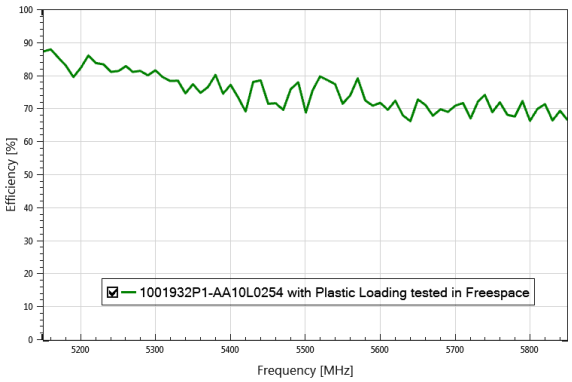
5GHz Return Loss



2.4GHz Efficiency



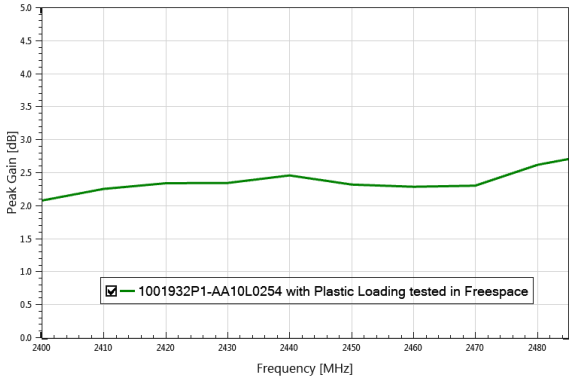
5GHz Efficiency



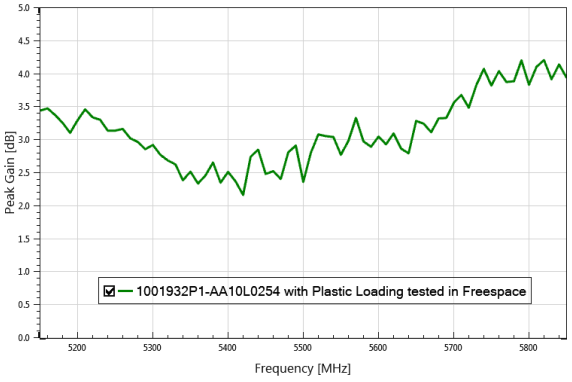
Typical Peak Gain plots

Measured in Free Space with PC/ABS plastic loading

2.4GHz Peak Gain



5GHz Peak Gain



*All dimensions provided in this document are for informational purposes only.

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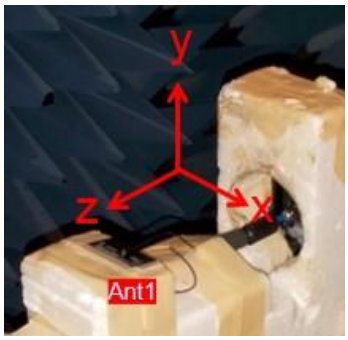
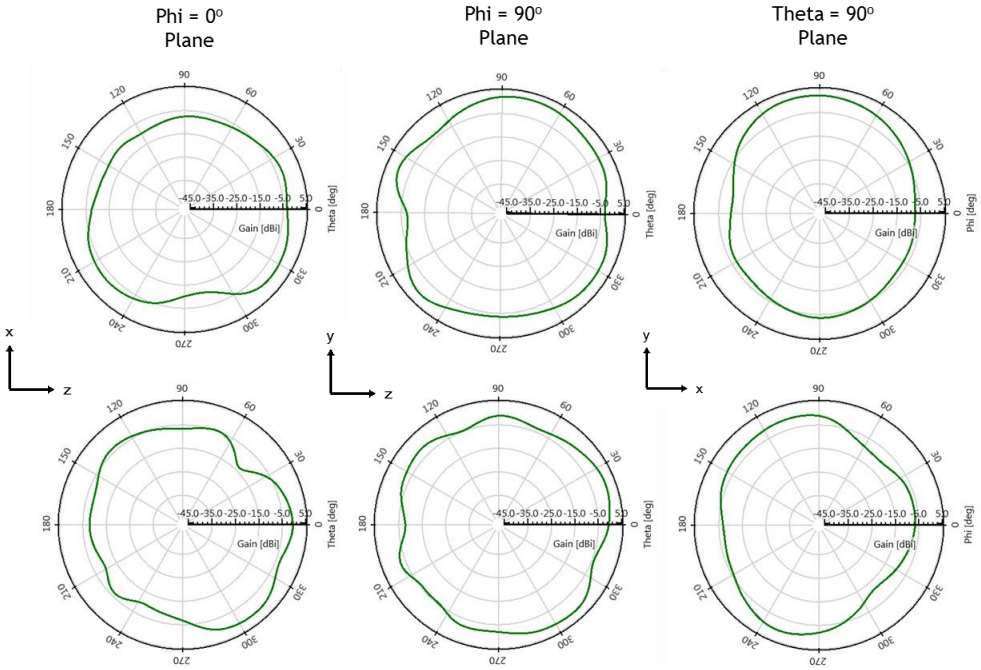
Ethertronics' 1001932P1 Specifications
Below are typical performances.

Typical Radiation patterns

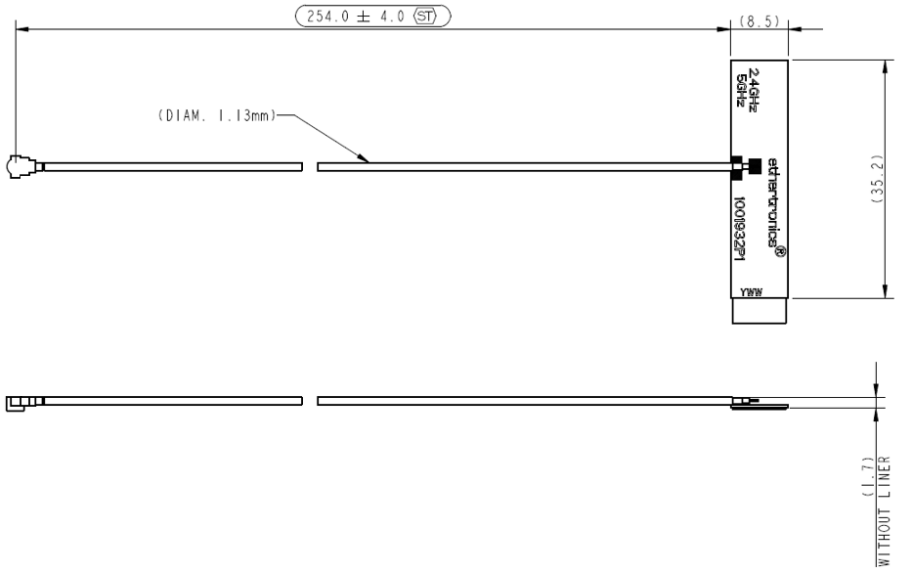
Measured in Free Space with PC/ABS plastic loading





Mechanical Dimensions

All measurements are in millimeters



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