

## **Excellent Integrated System Limited**

Stocking Distributor

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Ethertronics Inc. 1001140

For any questions, you can email us directly: <u>sales@integrated-circuit.com</u>



# ethertronics<sup>®</sup>

## DATA SHEET: EXTERNAL WIFI ANTENNA

Part No: 1001140

## External WiFi Antenna 2.4 GHz



EDIANE VIRELESS ROUTER

## **KEY BENEFITS**

Ethertronics' series of External Antennas deliver on the key needs of device designers for higher functionality and performance in access points.

## DESIGN ADVANTAGES

#### Best in Class Performance

 External antennas are designed to maintain high efficiency in a variety of device configurations.

#### Quicker Time-to-Market

- Standard part means fewer design changes.
- Simple implementation.

#### Flexibility

Ability to use external antenna on metallic box devices.

## END USER ADVANTAGES

#### Superior Range

 Better antenna function means longer range and greater sensitivity to critically precise signals delivering greater customer satisfaction while building brand loyalty.

#### **Greater Flexibility**

Standard connector makes for easy set-up

## SERVICE AND SUPPORT

#### Extensive RF Experience

 Our external antennas are supported by documentation, and when needed, by the expertise of RF engineers who have integrated hundreds of antenna designs into wireless devices.

#### **Global Operations & Design Support**

• Ethertronics' global operations encompass an integrated network of design centers that provide local customer support.

More information is available on our Website at www.ethertronics.com/resources/.

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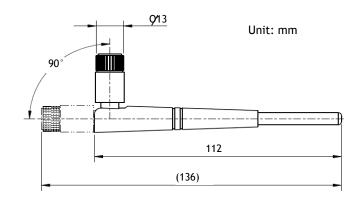
### PRODUCT: WiFi Antenna

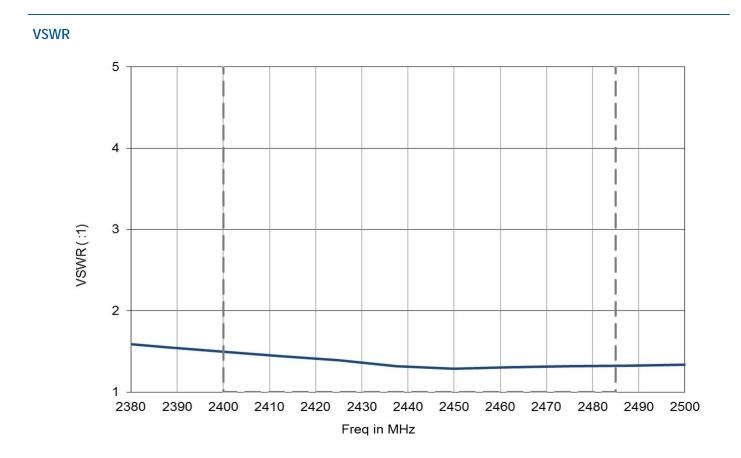
#### Ethertronics' External Antenna Specifications

Ethertronics produces a wide variety of standard and custom antennas to meet user needs. Below are the typical specs for a WiFi application.

Electrical Specifications	WiFi Antenna	Specifications
Typical Characteristics	Frequency	2.4-2.5 GHz
	VSWR (in BW)	≤2.0:1
	Gain (Zenith)	2 dBi
	Polarization	Vertical
	Feed Point Impedance	50 Ω

Mechanical Specifications	Size	136mm (full length)
	Connector	SMA Male

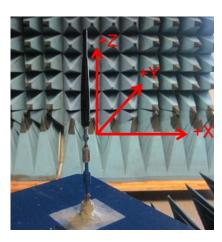


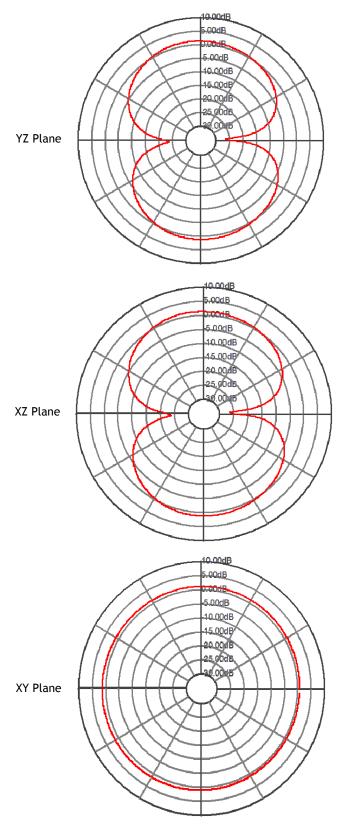




## PRODUCT: WiFi Antenna

#### **Radiation Patterns**





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