

Airgain)))

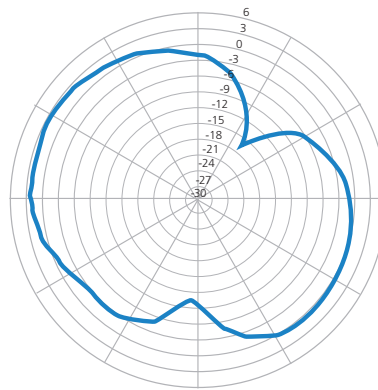
Ultra 25 Antenna

High gain, PCB mounted embedded antenna for easy integration

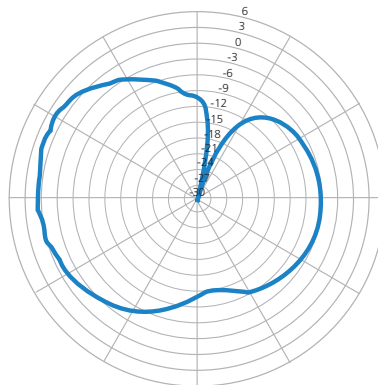
The Ultra 25 Embedded Antenna provides a high efficiency, embedded antenna solution for Wi-Fi and ISM applications in the 2.4 GHz band. As efficient embedded antenna solutions become the focus of next generation wireless product design, the Ultra 25 antenna provides the combination of small size with top performance. This antenna was designed to accommodate most WLAN applications, such as access points, routers, and gateways. The Ultra 25 is optimized for mounting on a printed circuit board utilizing a micro stripline RF interface. It is easily integrated into a PCB design.

ANTENNA RADIATION PATTERNS

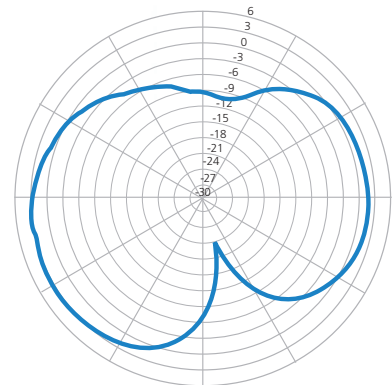
AZIMUTH
XY



ELEVATION 1
YZ



ELEVATION 2
XZ



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FEATURES

- 802.11 b/g/n standard
- Optimized for PCB mounting
- 2.8 dBi peak gain

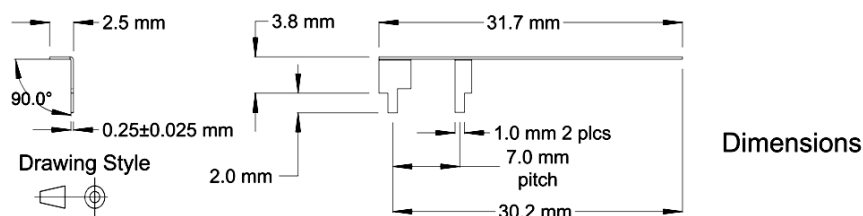
BENEFITS

- Low profile, 3.8 mm tall
- Enables quick integration
- Achieves high performance

Expanding the Range of Wireless Possibilities

PRODUCT SPECIFICATIONS	
Standard	IEEE 802.11n and 802.11b/g
Frequency Band	2.4 GHz to 2.49 GHz
Peak Gain	2.8 dBi @ 2.44 GHz
VSWR	2:1
Feed Impedance	50 Ohms
Power Handling	30 dBm
Interface	2, Through hole soldering pins for 50 ohm, microstripline on PCB
Dimensions	31.6 x 2.5 x 3.8 (mm)
Weight	0.25 g (0.008 oz)

MECHANICAL DIMENSIONS



Unless otherwise specified, tolerances are +/- 0.1mm, and +/- 0.5 °

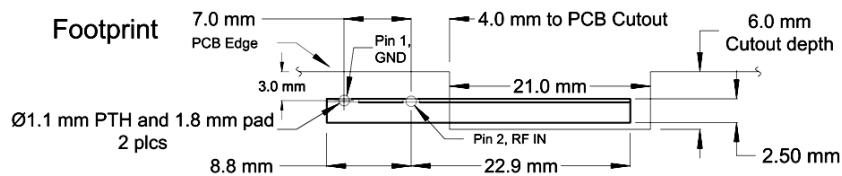


Figure 3
Model M2430LTM Footprint and Dimensions

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