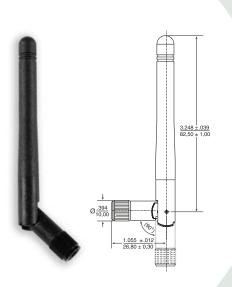
Wireless External Antenna for 2.4 GHz Applications

Pulse Part Number: W1030



Features

- Shortest antennas in product line
- For WLAN devices using WiFi (802.11b/g), Bluetooth[®] and ZigBee[™]
- Omni-directional radiation pattern provides broad 360° coverage
- One-quarter wavelength dipole configuration
- Connection options easily integrate with OEM designs

Connector Options

- Reverse SMA (Male)*
- SMA (Male)
- * Default Configuration Please contact Pulse Applications Engineering for assistance in ordering connectors

Dimensions: Inches mm

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

Electrical Specifications @ 25 °C

Note: This part number is lead-free and RoHS compliant. No additional suffix or identifier is required.

Antenna Part No.	Frequency [GHz]	Gain [dBi]	Impedance [Nom]	VSWR	Polarization	Electrical Length	Radiation
W1030	2.4 – 2.5	2.0	50 Ω	≤ 2.0	Vertical	1/4, dipole	Omni

Pulse Antennas

Takatie 6 90440 Kempele Finland Tel: +358 207 935 500 www.pulseeng.com/antennas

External Antennas Sales Contacts

USA 858 674 8100 UK 44 1483 401 700 France 33 3 84 35 04 04 Singapore 65 6287 8998

 Shanghai
 86 21 32181071

 China
 86 769 5538070

 Taiwan
 886 2 26980228



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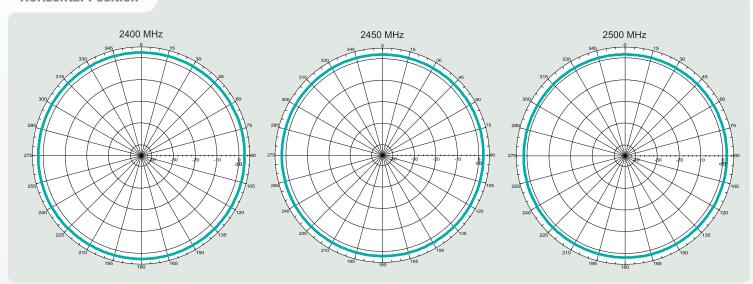
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Application Notes

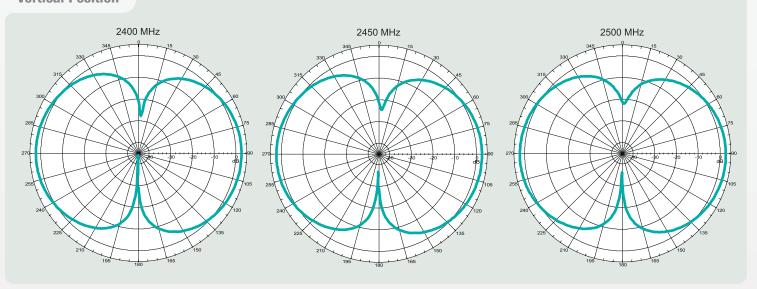
Omni-directional antennas provide a uniform, donutshaped, 360° radiation pattern. The omni-directional pattern is suitable for point-to-multipoint broadcasting in all directions. This antenna is primarily used for WLAN applications. However, it can also be used for a variety of other applications within the specified frequency range. When used as an access point, the antenna is ideally located at the center of the coverage area.

Gain Performance W1030

Horizontal Position



Vertical Position



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