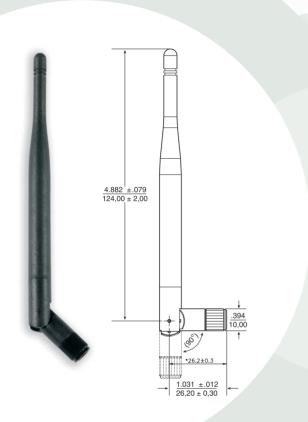
# Wireless External Dual-Band Antenna for 5.15 GHz & 5.85 GHz Applications

Pulse Part Number: W1028



### **Features**

- High frequency and high gain antenna
- For WLAN devices using WiFi (802.11a) and ISM 5.8 GHz band
- Omni-directional radiation pattern provides broad 360° coverage
- One-guarter wavelength dipole configuration
- Connection and color options easily integrate with **OEM** design

### **Color Options**

- Black\*
- Gray (Pantone cool gray 8C)

### **Connector Options**

- Reverse SMA (Male)\*
- SMA (Male)

\* Default Configuration – Please contact Pulse Applications Engineering for assistance in ordering colors and connectors

Weight	12.9 grams			
Carton				
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	Color
W1028	5.15 – 5.85	2.0	50 Ω	≤ 1.9	Vertical	1/4, dipole	Omni	Black

### **Pulse Antennas**

Takatie 6 90440 Kempele, Finland Tel: +358 207 935 500 Fax: +358 207 935 501 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 86 769 5538070 China Taiwan 886 2 26980228



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### **Application Notes**

Omni-directional antennas provide a uniform, donut-shaped, 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

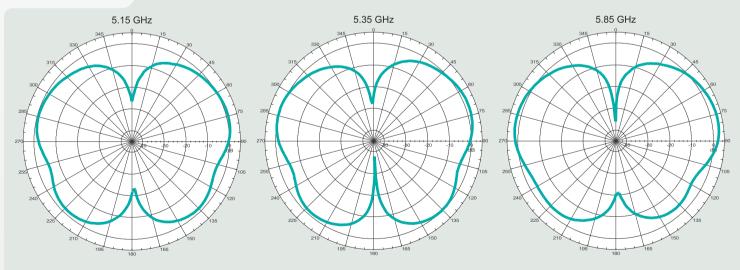
can also be used for a variety of other applications within the specified frequency range. When used as an access point, the antenna is ideally located at the center of the coverage area.

### **Gain Performance W1028**

### **Horizontal Position**



**Vertical Position** 



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