

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-quarter wavelength dipole configuration
- Connection and color options easily integrate with OEM design

Color Options

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

Connector Options

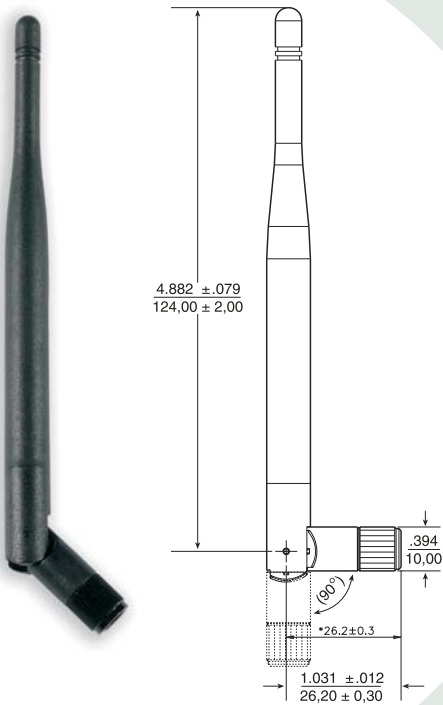
- Reverse SMA (Male)*
- SMA (Male)

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

Weight.....12.9 grams
Carton.....20/bag; 500/carton

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

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

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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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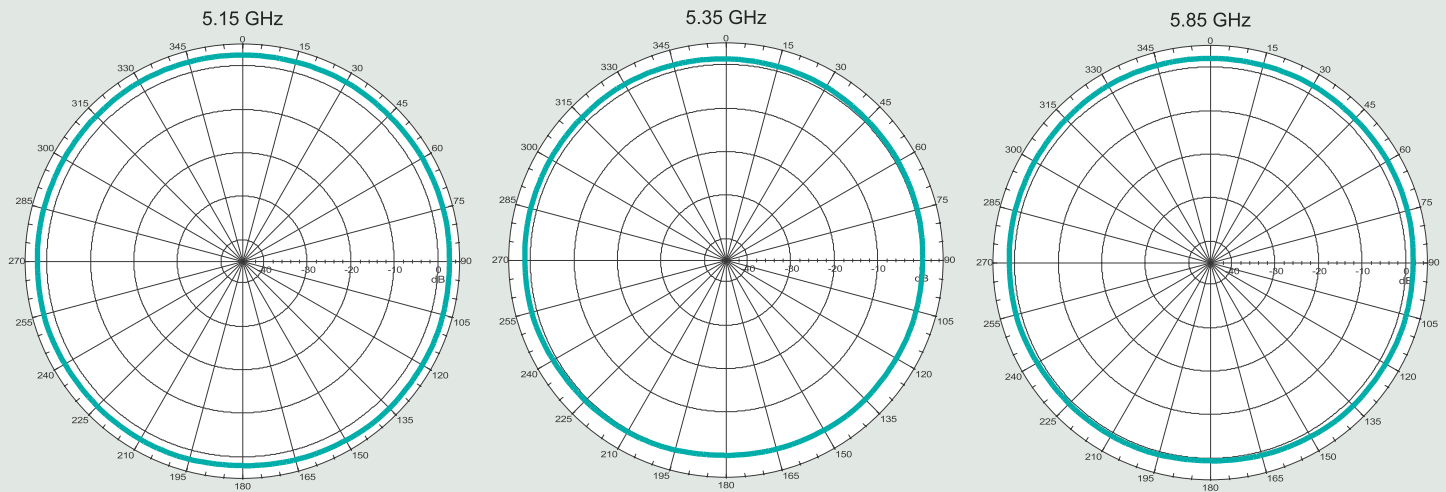
Application Notes

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

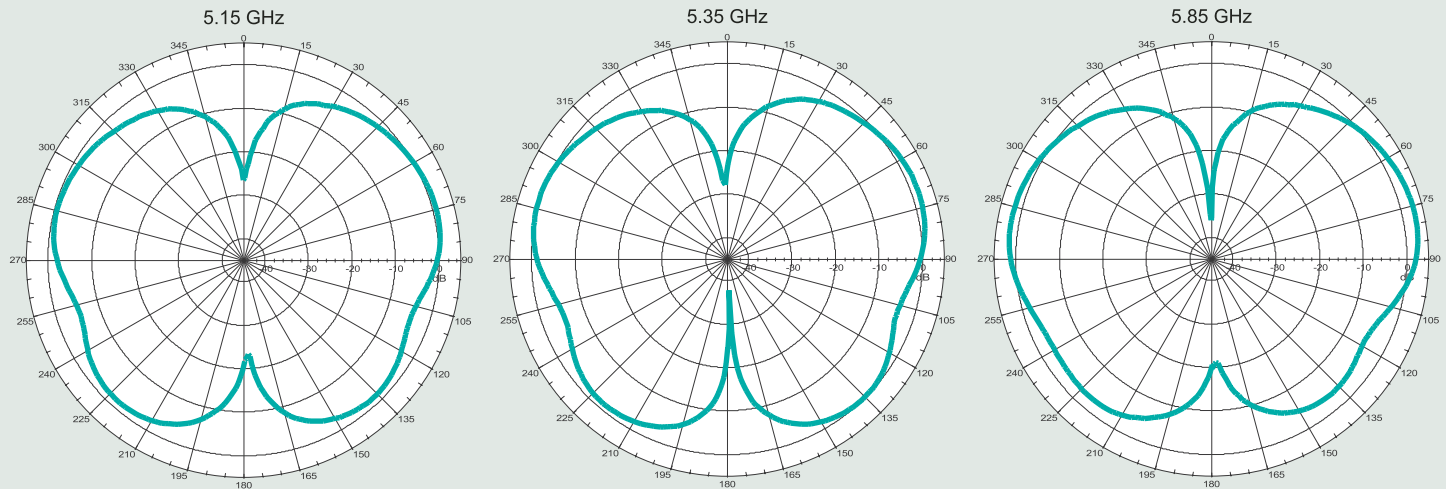
can also be used for a variety of other applications within the specified frequency range. When used as an access point, the antenna is ideally located at the center of the coverage area.

Gain Performance W1028

Horizontal Position



Vertical Position



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