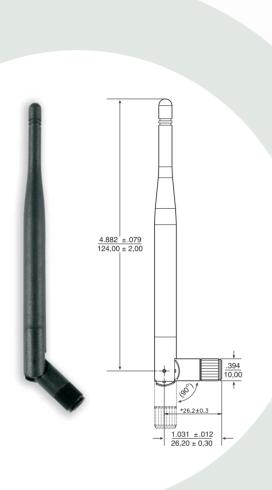
Wireless External Dual-Band Antenna for 5.15 GHz & 5.85 GHz Applications

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

Dimensions: Inches mm

Unless otherwise specified, all tolerances are \pm

.010

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

 China
 86 769 5538070

 Taiwan
 886 2 26980228



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

Pulse Part Number: W1028

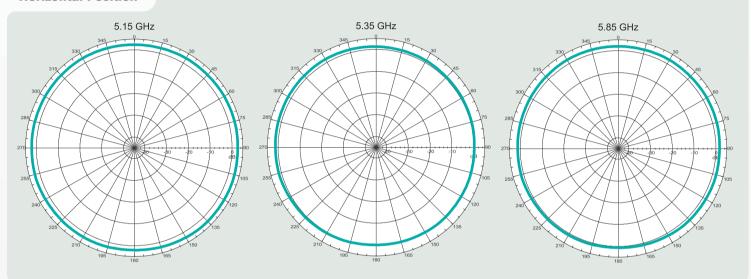
Application Notes

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



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

 China
 86 769 5538070

 Taiwan
 886 2 26980228

