

WIRELESS ANTENNAS

2.4GHz Applications



- ⌚ 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 and color options easily integrate with OEM designs



Electrical Specifications @ 25°C								
Antenna Part No.	Frequency (GHz)	Gain (dBi)	Impedance (Nom)	VSWR	Polarization	Electrical Length	Radiation	Color
W1030	2.4 - 2.5	2.0	50Ω	≤ 2.0	Vertical	1/4, dipole	Omni	Black
W1031	2.4 - 2.5	2.0	50Ω	≤ 2.0	Vertical	1/4, dipole	Omni	Gray

NOTE: These part numbers are lead-free and RoHS compliant. No additional suffix or identifier is required.

⌚ Color Options

- Black*
- Gray (Pantone cool gray 8C)*
- Gray (Pantone 429C)
- Gray (Pantone cool gray 7C)

⌚ Connector Options

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

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

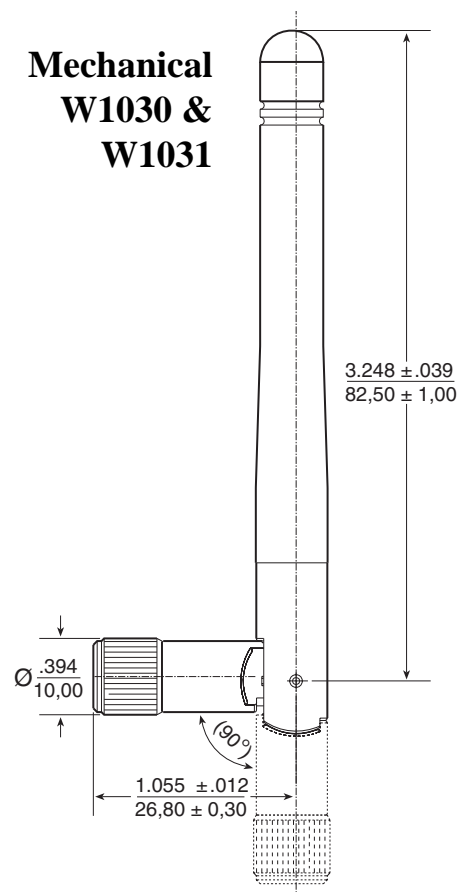
Weight6.3 grams

Carton20/bag; 500/carton

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

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

Mechanical W1030 & W1031



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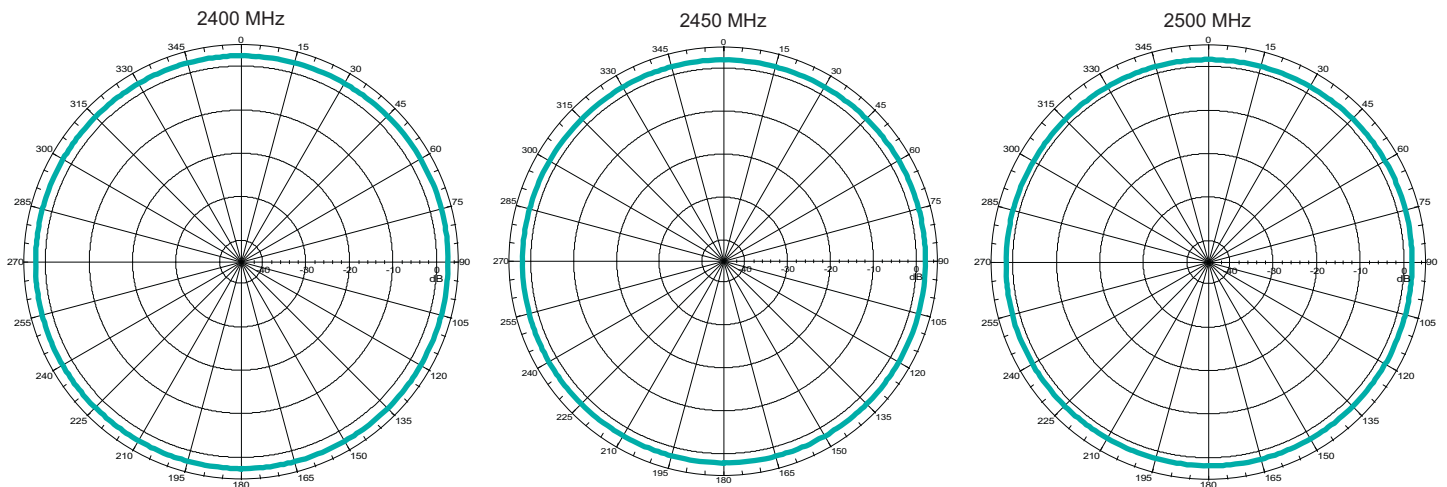
Application Notes

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

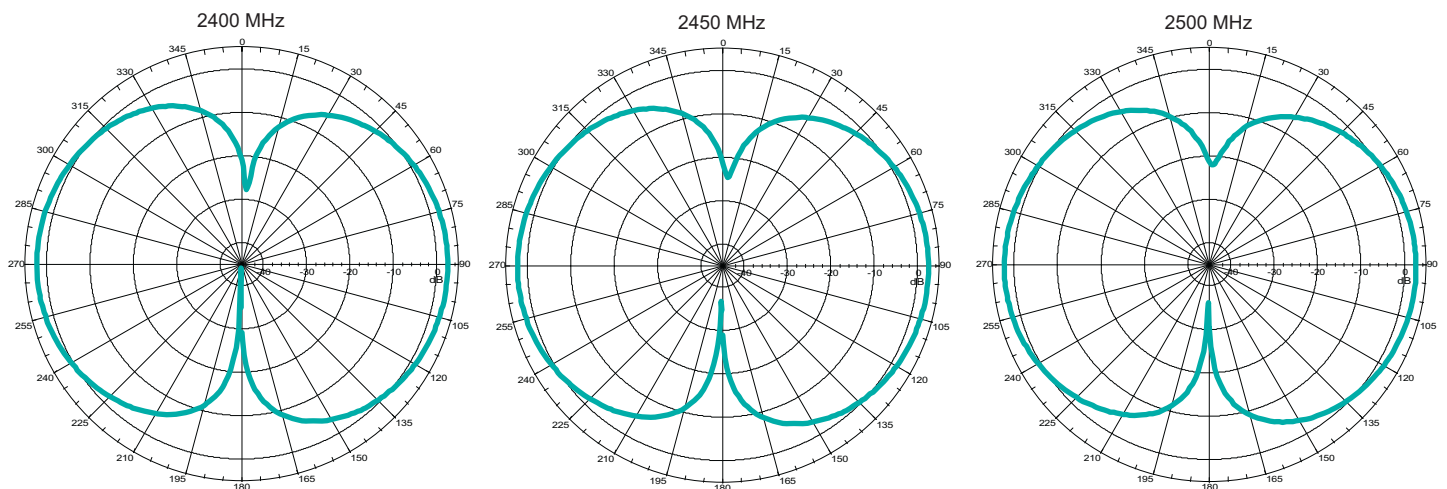
used for a variety of other applications within the specified frequency range. When used as an access point, the antenna is ideally located at the center of the coverage area.

Gain Performance - W1030 & W1031

Horizontal Position



Vertical Position



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- Attractive, tapered design
- 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 and color options easily integrate with OEM designs



Electrical Specifications @ 25°C

Antenna Part No.	Frequency (GHz)	Gain (dBi)	Impedance (NOM)	VSWR	Polarization	Electrical Length	Radiation	Color
W1034	2.4 - 2.5	2.0	50Ω	≤ 2.0	Vertical	1/4, dipole	Omni	Black

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

➤ Color Options

- Black*
- Gray (Pantone cool gray 8C)
- Gray (Pantone 429C)
- Gray (Pantone cool gray 7C)

➤ Connector Options

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

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

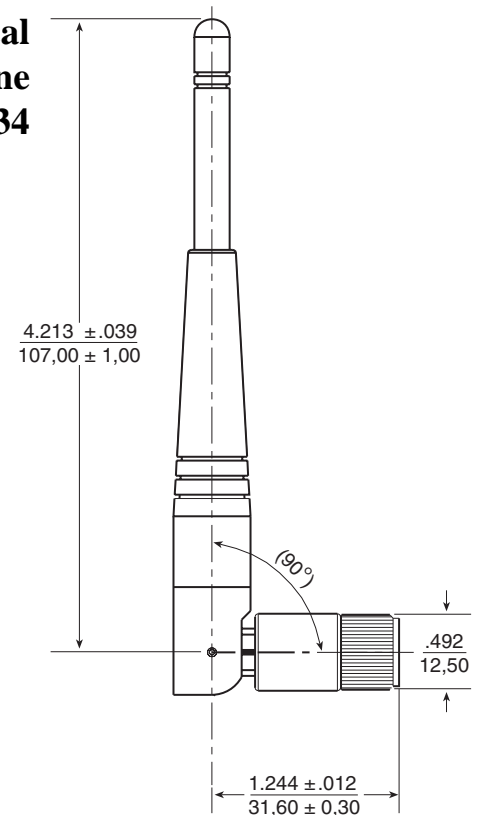
Weight.....19.5 grams

Carton20/bag; 500/carton

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

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

Mechanical Outline W1034



WIRELESS ANTENNAS

2.4GHz Applications



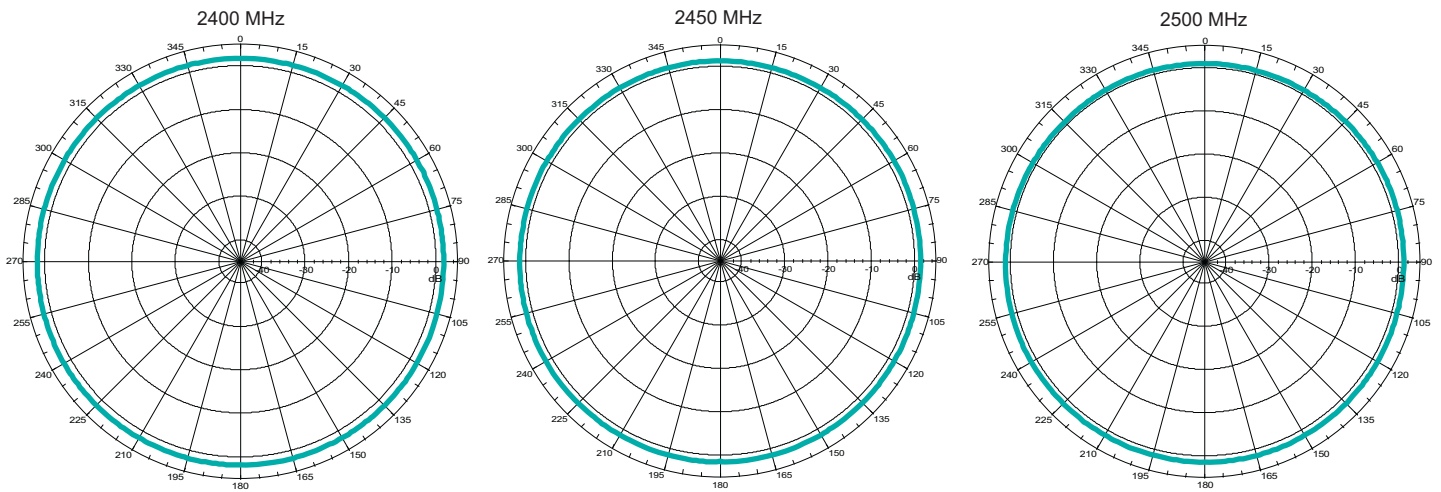
Application Notes

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 - W1034

Horizontal Position



Vertical Position

