WIRELESS ANTENNAS
900MHz Applications

Pulse® A TECHNITROL COMPANY

- Ideal for lower frequency wireless applications in the ISM 900MHz band
- Omni-directional radiation pattern provides broad 360° coverage
- One-eighth wavelength dipole configuration
- Connection and color options easily integrate with OEM designs

RoHS COMPLIANT

Electrical Specifications @ 25°C

Antenna Part No.	Frequency (MHz)	Gain (dBi)	Impedance (Nom)	VSWR	Polarization	Electrical Length	Radiation	Color
W1047	860 - 928	1.0	50Ω	≤ 2.0	Vertical	1/8, dipole	Omni	Black

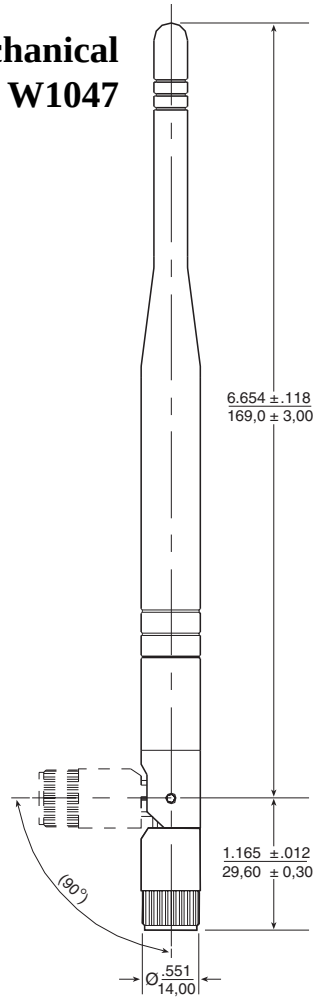
NOTE: This part number is lead-free and RoHS compliant. No additional suffix or identifier is required.

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.*

Mechanical
W1047



Weight.....25.6 grams
Carton 20/bag; 500/carton

Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

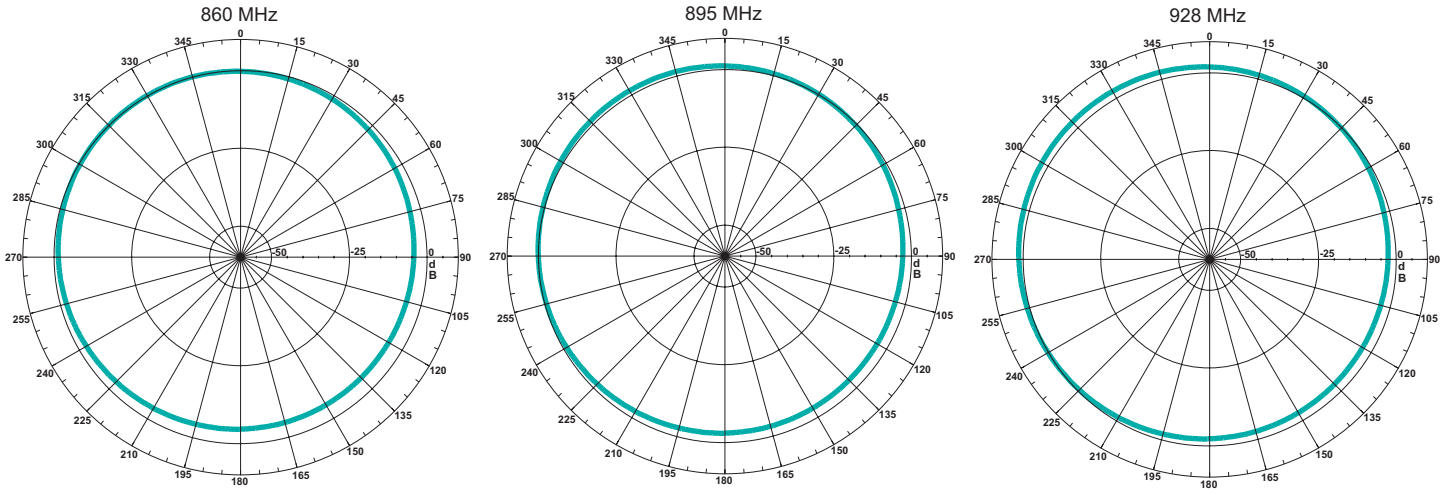
WIRELESS ANTENNAS
900MHz Applications

Application Notes

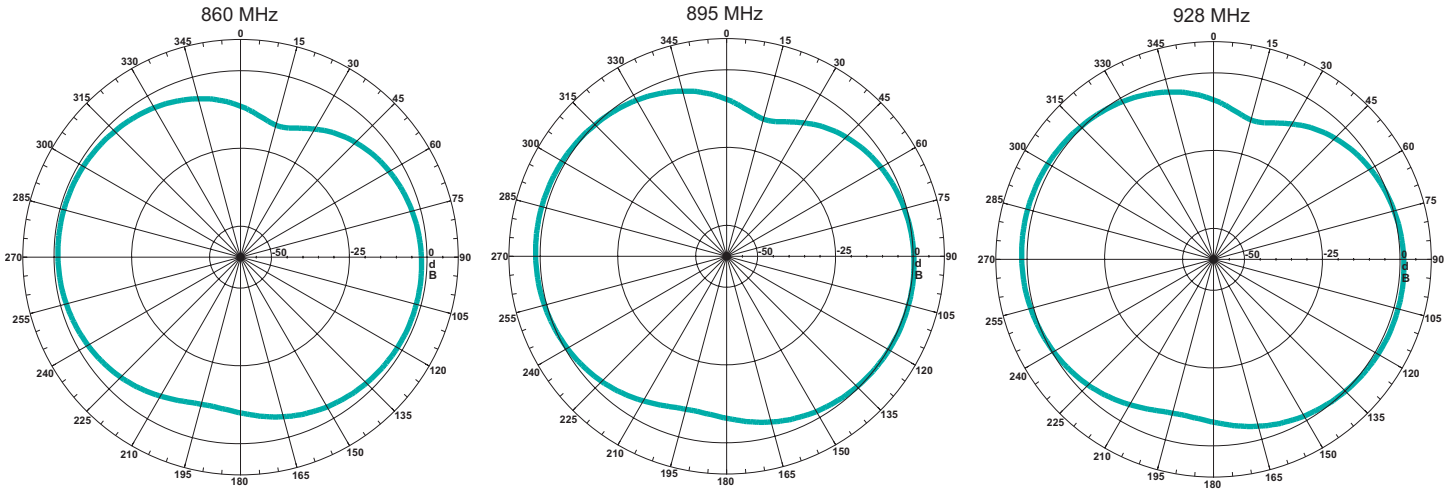
Omni-directional antennas provide a uniform, donut-shaped, 360° radiation pattern. The omni-directional pattern is suitable for point-to-multipoint broadcasting in all directions. This antenna is primarily used for WLAN applications. However, it can also be used for a variety of other applications within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

Gain Performance - W1047

Horizontal Position



Vertical Position



WIRELESS ANTENNAS
2.4GHz and 5.0 GHz Applications

Pulse® A TECHNITROL COMPANY

- Dual-band, blade style antenna
- For WLAN devices using WiFi (802.11a/b/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

RoHS COMPLIANT

Electrical Specifications @ 25°C

Antenna Part No.	Frequency (GHz)	Gain (dBi)	Impedance (NOM)	VSWR	Polarization	Electrical Length	Radiation	Color
W1043	2.4 & 5.0	2.0	50Ω	≤ 2.0	Vertical	1/4, dipole	Omni	Black

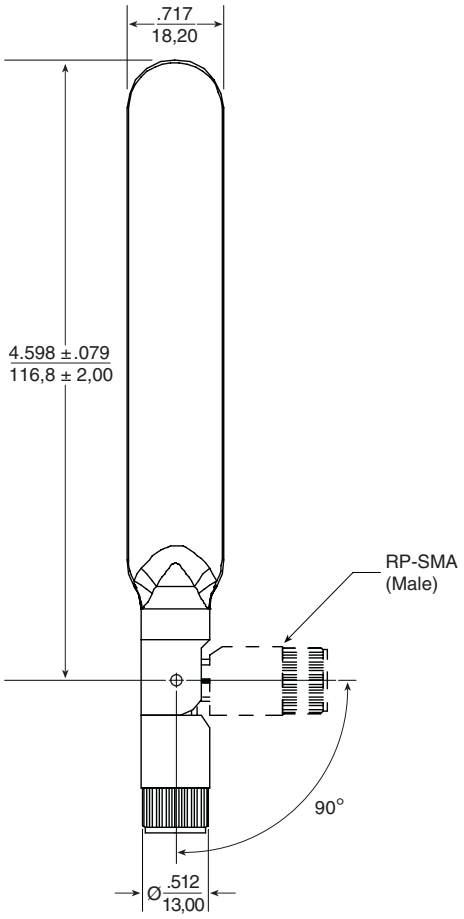
NOTE: This part number is lead-free and RoHS compliant. No additional suffix or identifier is required.

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

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

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

Mechanical Outline W1043



Weight.....18.0 grams
Carton 20/bag; 500/carton

Dimensions: Inches / mm

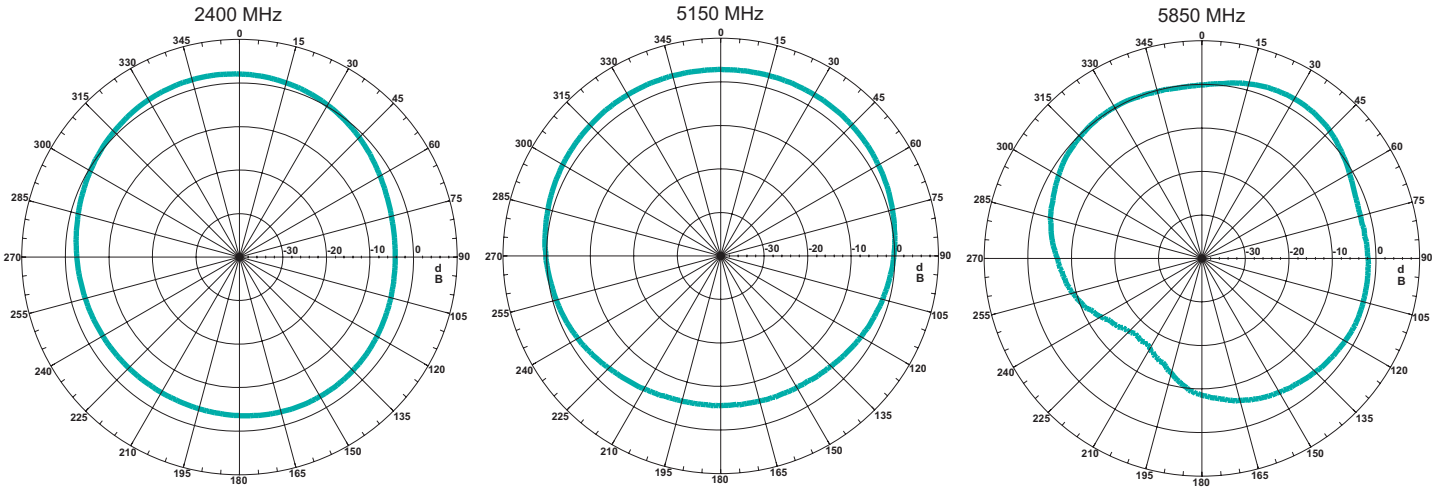
Unless otherwise specified, all tolerances are ± .010 / 0,25

Application Notes

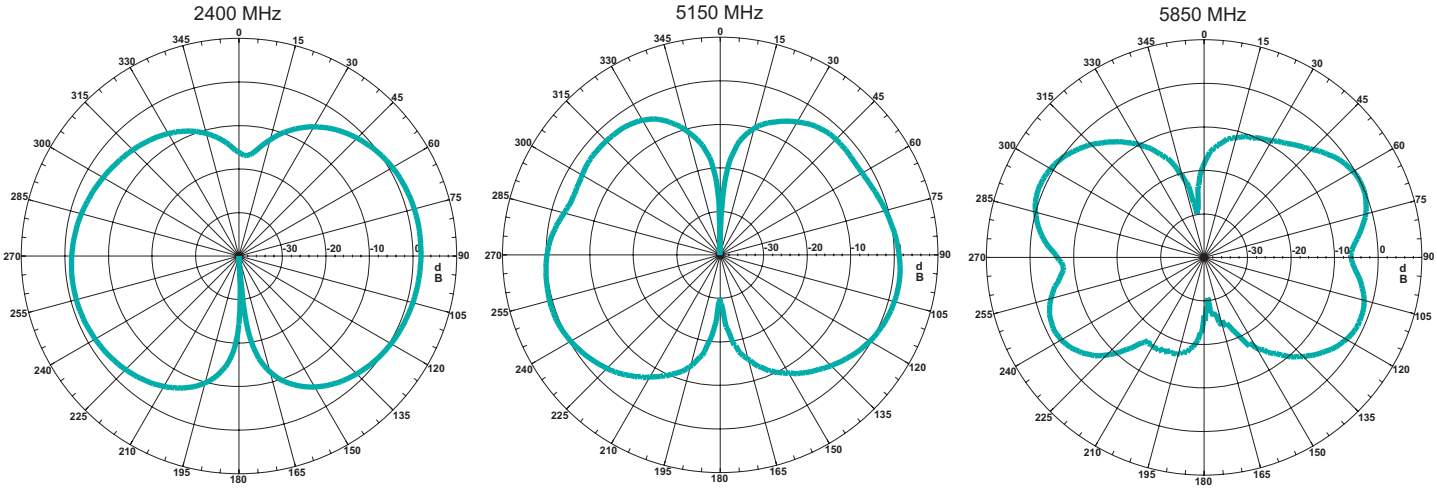
Omni-directional antennas provide a uniform, donut-shaped, 360° radiation pattern. The omni-directional pattern is suitable for point-to-multipoint broadcasting in all directions. This antenna is primarily used for WLAN applications. However, it can also be used for a variety of other applications within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

Gain Performance - W1043

Horizontal Position



Vertical Position



WIRELESS ANTENNAS
2.4GHz and 5.0 GHz Applications

Pulse® A TECHNITROL COMPANY

- Dual-band antenna
- Magnetic, weighted base for use on desktop or metal surface
- 1500mm flexible cable for remote placement (alternate lengths and configurations available)
- For WLAN devices using WiFi (802.11a/b/g), Bluetooth® and ZigBee™
- Omni-directional radiation pattern provides broad 360° coverage
- One-quarter wavelength dipole configuration

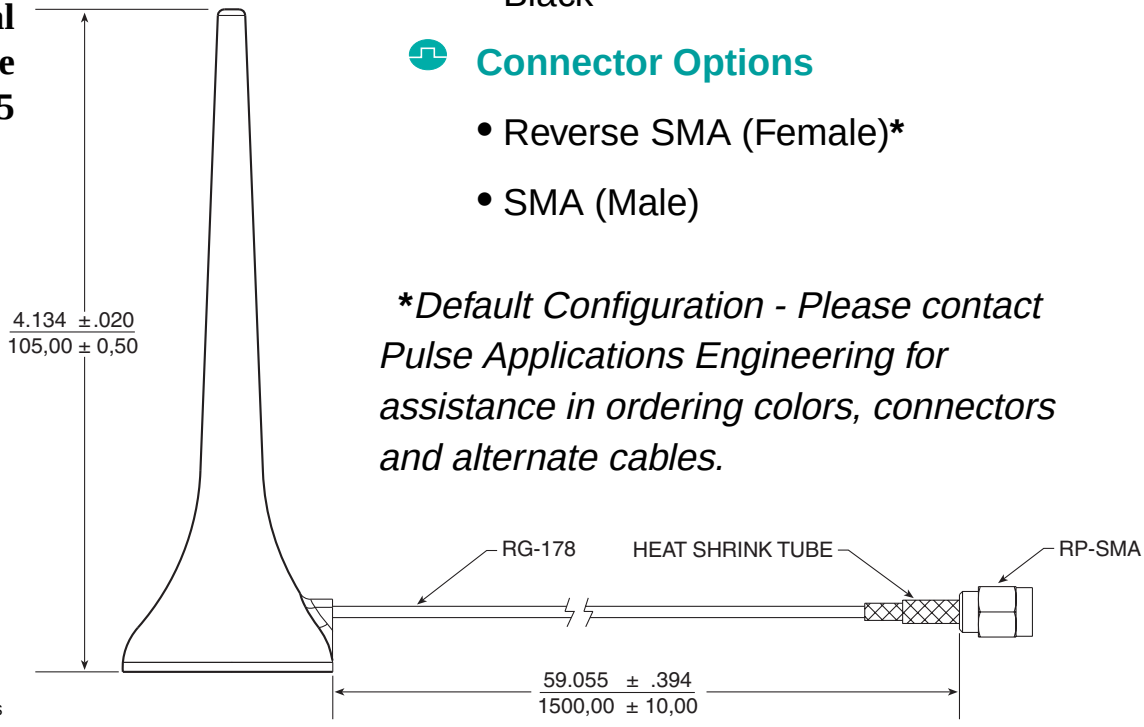
RoHS COMPLIANT

Electrical Specifications @ 25°C

Antenna Part No.	Frequency (GHz)	Gain (dBi)	Impedance (NOM)	VSWR	Polarization	Electrical Length	Radiation	Color
W1045	2.4 & 5.0	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.

Mechanical Outline W1045



Weight .....38.5 grams
Carton 500/carton
Dimensions: Inches / mm
Unless otherwise specified, all tolerances are ± .010 / 0,25

Color Options

- Black*

Connector Options

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

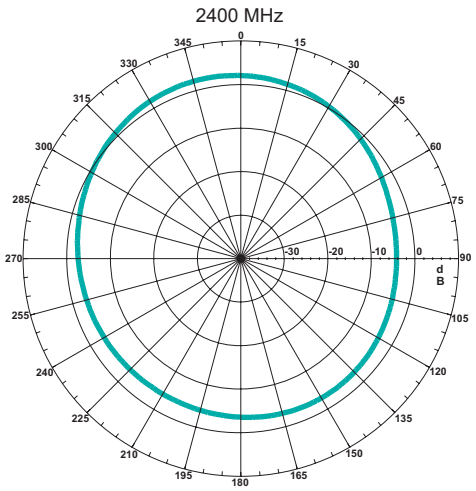
**Default Configuration - Please contact Pulse Applications Engineering for assistance in ordering colors, connectors and alternate cables.*

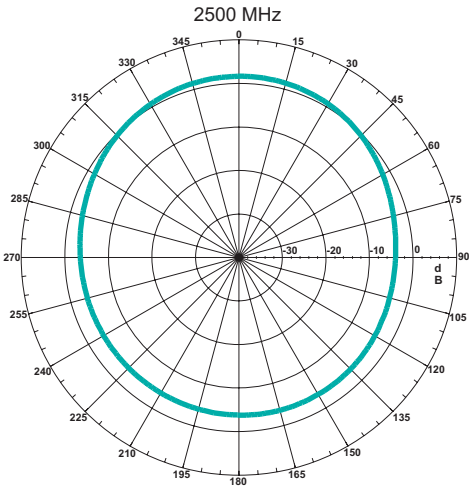
Application Notes

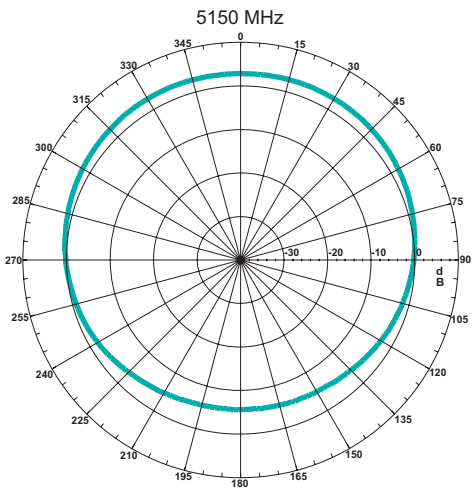
Omni-directional antennas provide a uniform, donut-shaped, 360° radiation pattern. The omni-directional pattern is suitable for point-to-multipoint broadcasting in all directions. This antenna is primarily used for WLAN applications. However, it can also be used for a variety of other applications within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

Gain Performance - W1045

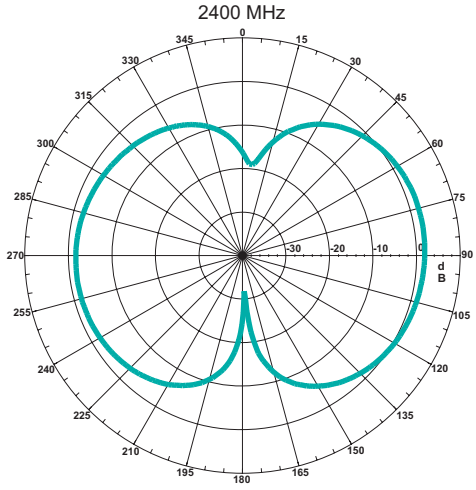
Horizontal Position

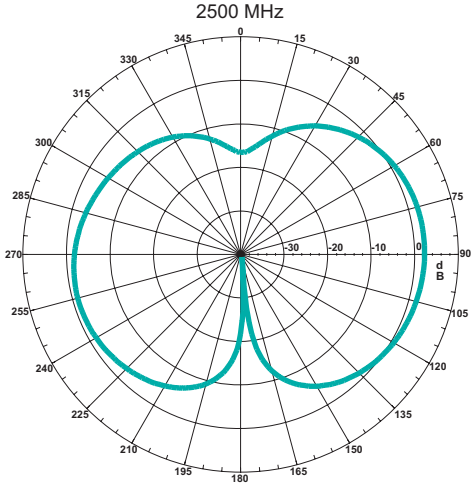


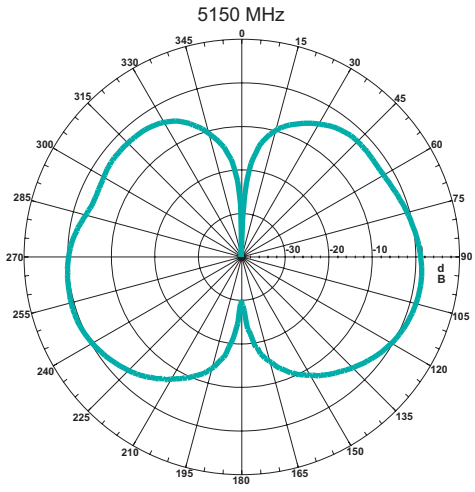




Vertical Position







WIRELESS ANTENNAS
5.15GHz and 5.85GHz Applications

Pulse® A TECHNITROL COMPANY

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

RoHS COMPLIANT

Electrical Specifications @ 25°C

Antenna Part No.	Frequency (GHz)	Gain (dBi)	Impedance (NOM)	VSWR	Polarization	Electrical Length	Radiation	Color
W1028	5.15 - 5.85	2.0	50Ω	≤ 1.9	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

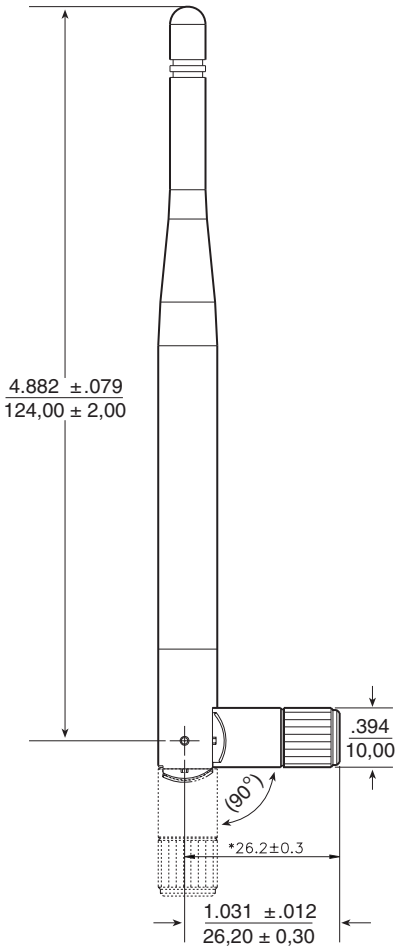
- Black*
- Gray (Pantone cool gray 8C)

Connector Options

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

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

Mechanical Outline W1028



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

Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

WIRELESS ANTENNAS
5.15GHz and 5.85GHz Applications

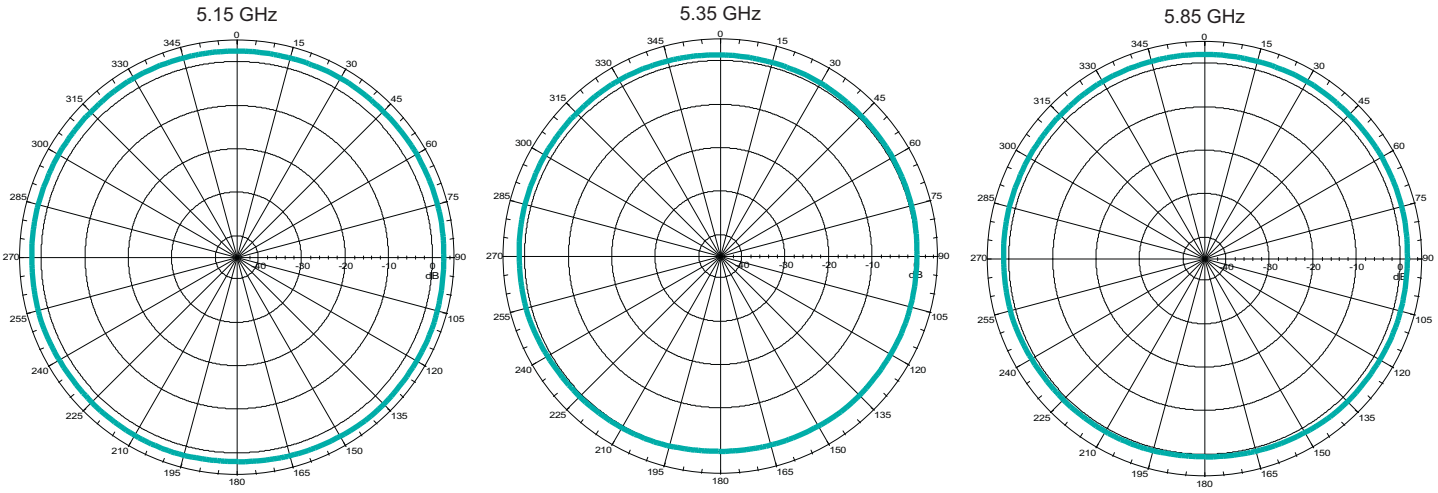
Pulse® A TECHNITROL COMPANY

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