

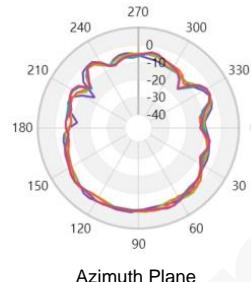
# ALX23P-091AA4-00

## Features

- Single band IEEE 802.11 a/n/ac/ax standard
- 5GHz indoor embedded Omni-directional antenna
- High efficiency and quick integration with MHF compatible connector mounting
- Available in customized cable lengths and connectors

## Applications

- AP Router



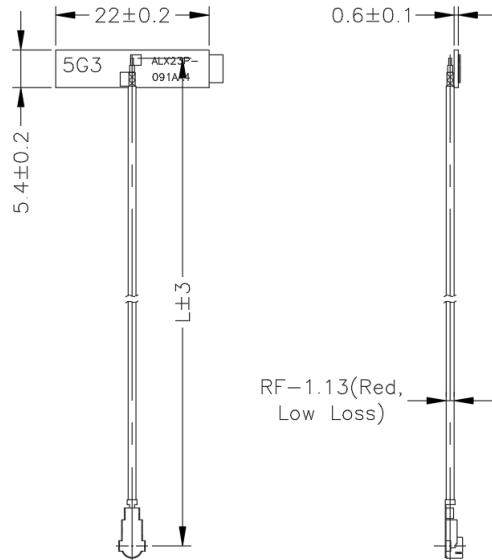
Azimuth Plane

## Electrical Specification

| Category         | Specification |
|------------------|---------------|
| Frequency (MHz)  | 5150 - 5850   |
| Peak Gain (dBi)  | 5.8           |
| VSWR             | 2.0 : 1       |
| Polarization     | Linear        |
| Power (Watts)    | 1             |
| Impedance (Ohms) | 50            |
| Type             | DIPOLE        |

## Mechanical Specification

| Category             | Specification    |
|----------------------|------------------|
| Dimension (mm)       | 22 x 5.4         |
| Thickness (mm)       | 0.6              |
| Weight (g)           | TBD              |
| Connector            | MHF compatible   |
| Cable                | Low Loss RF-1.13 |
| Cable Length (mm)    | 215              |
| Material             | PCB (FR4)        |
| Operating Temp (°C)  | -40°C ~ +85°C    |
| Storage Temp (°C)    | 23 ± 5°C         |
| Storage Humidity (%) | 30% ~ 70%        |



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\*The Antenna Specifications only show the Peak Gain for Frequency range

\*If want to know each peak gain of UNII-frequency band for detail, you should refer to the antenna report.

ALX23P-221AA8-00(Ant.1)

**Electrical Specification**

| Category         | Specification |             |
|------------------|---------------|-------------|
| Frequency (MHz)  | 2400 - 2500   | 5150 - 5850 |
| Peak Gain (dBi)  | 2.4           | 3.3         |
| VSWR             | 2.0 : 1       |             |
| Polarization     | Linear        |             |
| Power (Watts)    | 1             |             |
| Impedance (Ohms) | 50            |             |
| Type             | DIPOLE        |             |

ALX23P-221AA9-00(Ant.2)

**Electrical Specification**

| Category         | Specification |             |
|------------------|---------------|-------------|
| Frequency (MHz)  | 2400 - 2500   | 5150 - 5850 |
| Peak Gain (dBi)  | 2.4           | 4.8         |
| VSWR             | 2.0 : 1       |             |
| Polarization     | Linear        |             |
| Power (Watts)    | 1             |             |
| Impedance (Ohms) | 50            |             |
| Type             | DIPOLE        |             |

ALX23P-091AA4-00(Ant.3)

| Category         | Specification |  |
|------------------|---------------|--|
| Frequency (MHz)  | 5150 - 5850   |  |
| Peak Gain (dBi)  | 5.8           |  |
| VSWR             | 2.0 : 1       |  |
| Polarization     | Linear        |  |
| Power (Watts)    | 1             |  |
| Impedance (Ohms) | 50            |  |
| Type             | DIPOLE        |  |

| 2G    | Frequency(MHz) | 2400 | 2450 | 2500 |
|-------|----------------|------|------|------|
| Ant.1 | Peak Gain(dBi) | 2.1  | 2.4  | 2.2  |
|       | Efficiency(%)  | 64   | 65   | 65   |
| Ant.2 | Peak Gain(dBi) | 2.2  | 2.4  | 2.3  |
|       | Efficiency(%)  | 63   | 63   | 64   |
| 5G    | Frequency(MHz) | 5150 | 5350 | 5550 |
| Ant.1 | Peak Gain(dBi) | 3.3  | 3.0  | 2.8  |
|       | Efficiency(%)  | 68   | 68   | 69   |
| Ant.2 | Peak Gain(dBi) | 4.8  | 4.4  | 4.2  |
|       | Efficiency(%)  | 68   | 70   | 69   |
| Ant.3 | Peak Gain(dBi) | 4.6  | 4.9  | 5.1  |
|       | Efficiency(%)  | 68   | 69   | 70   |