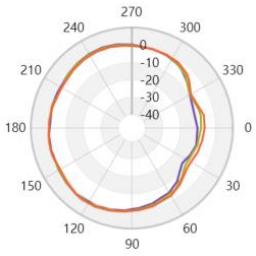
ALX23P-221AA9-00

Features

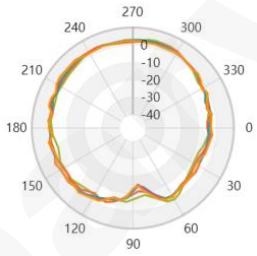
- Dual band IEEE 802.11 a/b/g/n/ac/ax standard
- 2+5GHz indoor embedded Omni-directional antenna
- High efficiency and quick integration with MHF compatible connector mounting
- Available in customized cable lengths and connectors

Applications

- AP Router



2GHz
Azimuth Plane



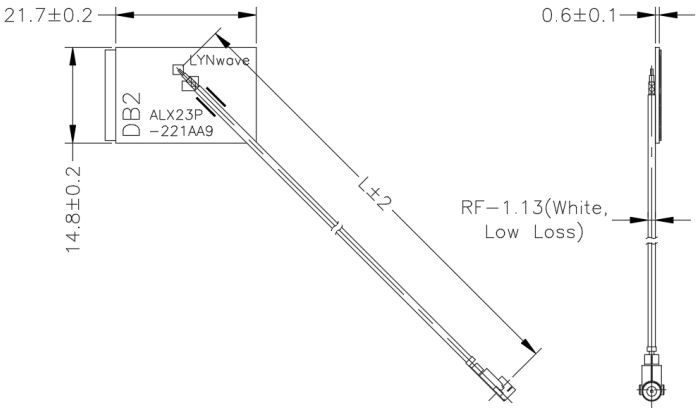
5GHz
Azimuth Plane

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	

Mechanical Specification

Category	Specification
Dimension (mm)	21.7 x 14.8
Thickness (mm)	0.6
Weight (g)	TBD
Connector	MHF compatible
Cable	Low Loss RF-1.13
Cable Length (mm)	65
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**	**5750**	**5850**
Ant.1	Peak Gain(dBi)	3.3	3.0	2.8	3.2	3.3
	Efficiency(%)	68	68	69	69	70
Ant.2	Peak Gain(dBi)	4.8	4.4	4.2	4.7	4.6
	Efficiency(%)	68	70	69	69	70
Ant.3	Peak Gain(dBi)	4.6	4.9	5.1	5.6	5.8
	Efficiency(%)	68	69	70	68	70