

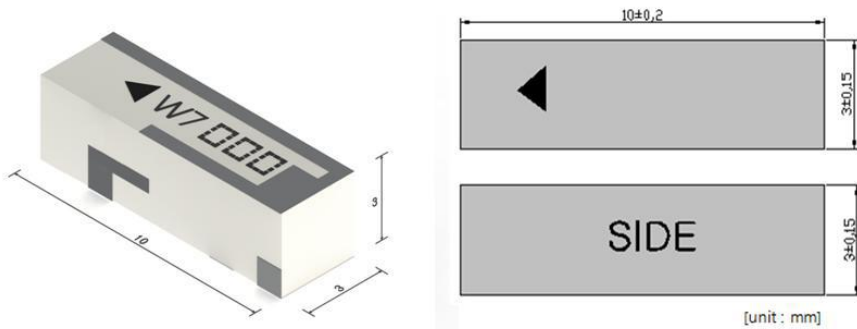
Type	Chip Antenna
Application	2.4GHz / 5GHz
Part No.	AMAN1003030LG02
Revision	1.0

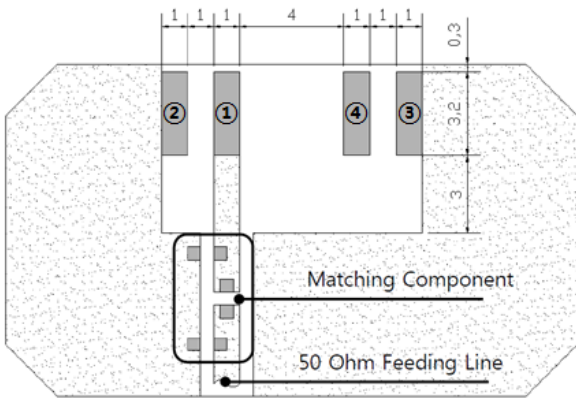
# MIB3GP Chip Antenna

## Application

Wi-Fi (802.11 b/g/n/ac)

## Features





[unit : mm]



No	Pin Assignment
①	Feeding
②	GND
③	GND
④	N/C

[unit : mm]

## Revision History

Revision	Data	Description	Author
1.0	2022.10.13	First release of document for datasheet	Sangkyoo. Song

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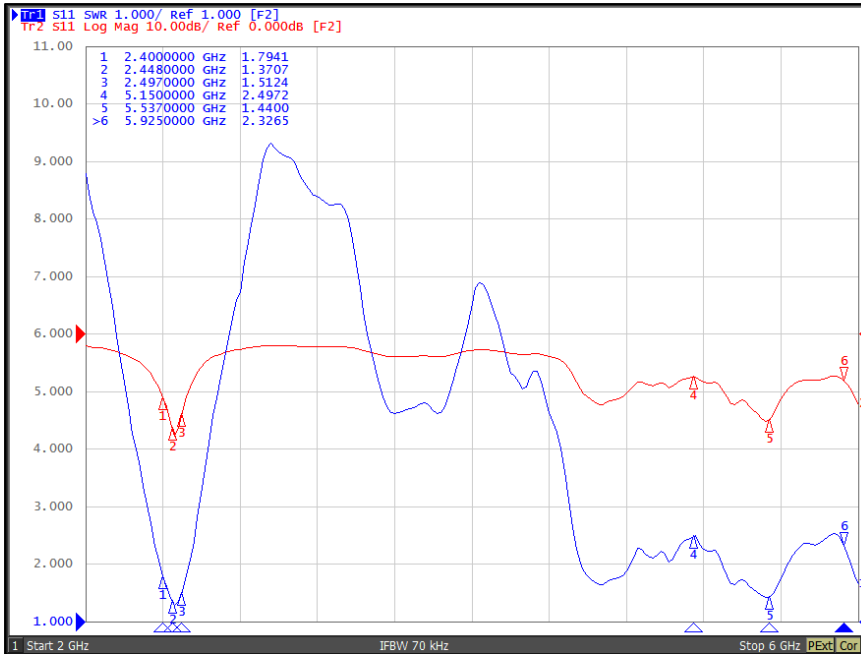
### 1. Operation performance

No	Item	Performance	
1	Impedance	50 $\Omega$	
2	VSWR @ Operating frequency (2400~2483.5MHz) (5150~5850MHz)	Max. 1.80:1 Max. 2.50:1	
3	Average Gain [dBi]	2450 MHz	-0.63
		5500 MHz	-1.75
4	Efficiency Average [%]	2450 MHz	86.48
		5500 MHz	66.86
5	Peak Gain [dBi]	2400 MHz	4.48
		2450 MHz	4.18
		2485 MHz	3.92
		5150 MHz	2.49
		5500 MHz	5.71
		5850 MHz	6.55
6	Radiation pattern	Omni-directional	



## 2. Measurement results

### 2.1 S-parameter



### 2.2 Gain Efficiency

Freq.[MHz]	Eff.[%]	Avg.[dBi]	Peak[dBi]
2400	83.43	-0.79	4.48
2450	86.48	-0.63	4.18
2485	78.84	-1.03	3.92
5150	38.73	-4.12	2.49
5500	66.86	-1.75	5.71
5850	57.84	-2.38	6.55

## 2.3 Radiation pattern

