

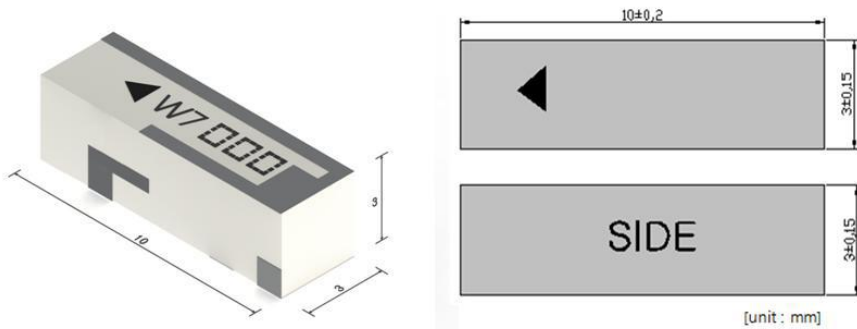
Type	Chip Antenna
Application	2.4GHz / 5GHz
Part No.	AMAN1003030LG02
Revision	1.0

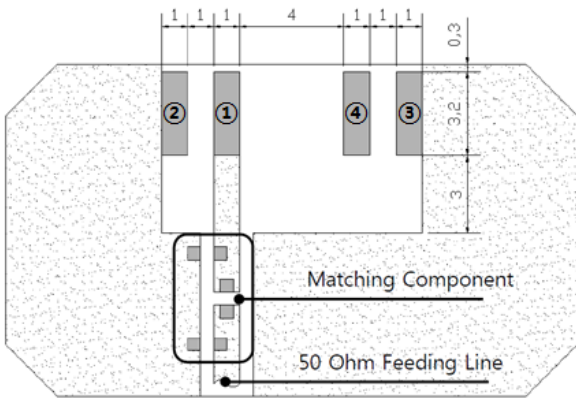
# ICAS3GP Chip Antenna

## 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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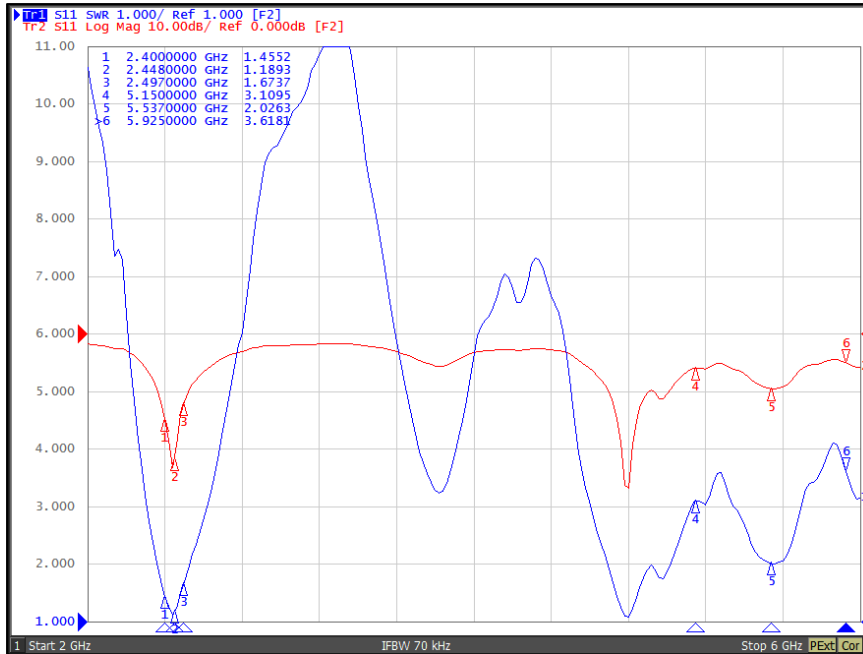
### 1. Operation performance

No	Item	Performance	
1	Impedance	50 $\Omega$	
2	VSWR @ Operating frequency (2400~2483.5MHz) (5150~5850MHz)	Max. 1.68:1 Max. 3.62:1	
3	Average Gain [dBi]	2450 MHz	-0.16
		5500 MHz	-2.68
4	Efficiency Average [%]	2450 MHz	96.34
		5500 MHz	54.00
5	Peak Gain [dBi]	2400 MHz	4.88
		2450 MHz	4.71
		2485 MHz	4.13
		5150 MHz	3.36
		5500 MHz	4.87
		5850 MHz	4.53
6	Radiation pattern	Omni-directional	



## 2. Measurement results

### 2.1 S-parameter



### 2.2 Gain Efficiency

Freq.[MHz]	Eff.[%]	Avg.[dBi]	Peak[dBi]
2400	93.17	-0.31	4.88
2450	96.34	-0.16	4.71
2485	87.16	-0.60	4.13
5150	43.2	-3.65	3.36
5500	54.00	-2.68	4.87
5850	42.69	-3.70	4.53

## 2.3 Radiation pattern

