

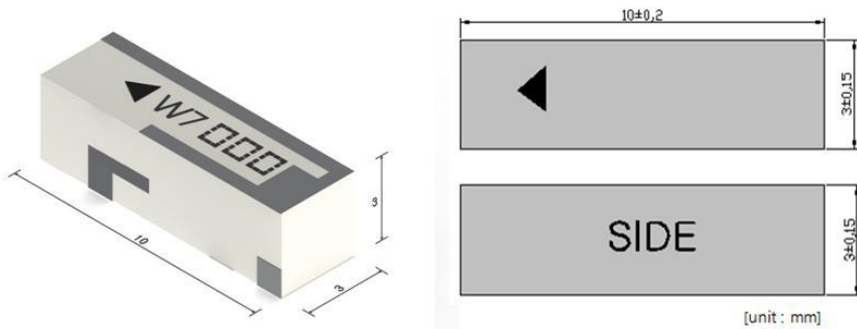
Type	Chip Antenna
Application	2.4GHz / 5GHz
Part No.	AMAN1003030LG02
Revision	1.0

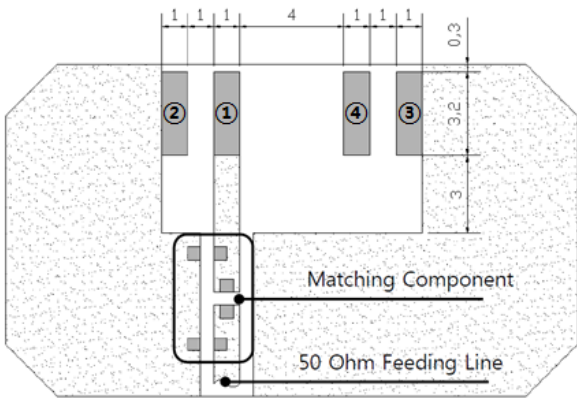
# ICAS3 Chip Antenna

## Application

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

## Features





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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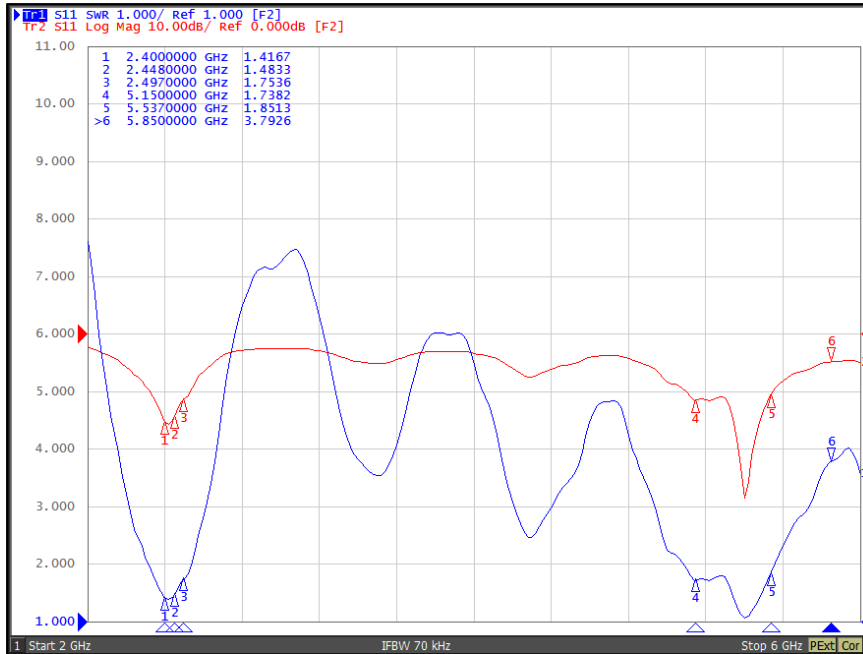
### 1. Operation performance

No	Item	Performance	
1	Impedance	50 $\Omega$	
2	VSWR @ Operating frequency (2400~2483.5MHz) (5150~5850MHz)	Max. 1.76:1 Max. 3.80:1	
3	Average Gain [dBi]	2450 MHz	-0.78
		5500 MHz	-3.39
4	Efficiency Average [%]	2450 MHz	83.49
		5500 MHz	45.81
5	Peak Gain [dBi]	2400 MHz	4.74
		2450 MHz	5.02
		2485 MHz	4.83
		5150 MHz	3.74
		5500 MHz	5.14
		5850 MHz	1.60
6	Radiation pattern	Omni-directional	



## 2. Measurement results

### 2.1 S-parameter



### 2.2 Gain Efficiency

Freq.[MHz]	Eff.[%]	Avg.[dBi]	Peak[dBi]
2400	84.01	-0.76	4.74
2450	83.49	-0.78	5.02
2485	73.71	-1.32	4.83
5150	37.88	-4.22	3.74
5500	45.81	-3.39	5.14
5850	17.32	-7.61	1.60

## 2.3 Radiation pattern

