

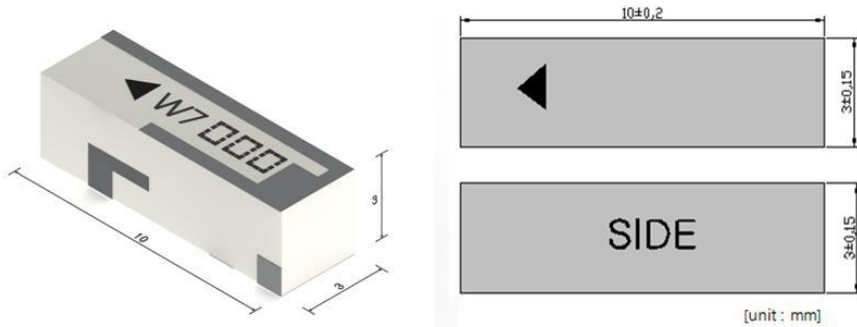
Type	Chip Antenna
Application	2.4GHz / 5GHz
Part No.	AMAN1003030LG02
Revision	1.0

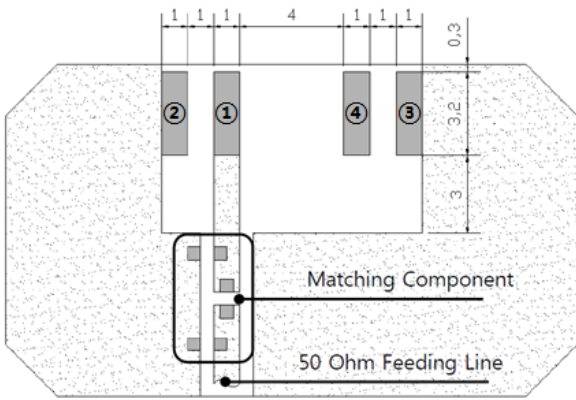
MIB3 OI Chip Antenna

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

Table of Contents

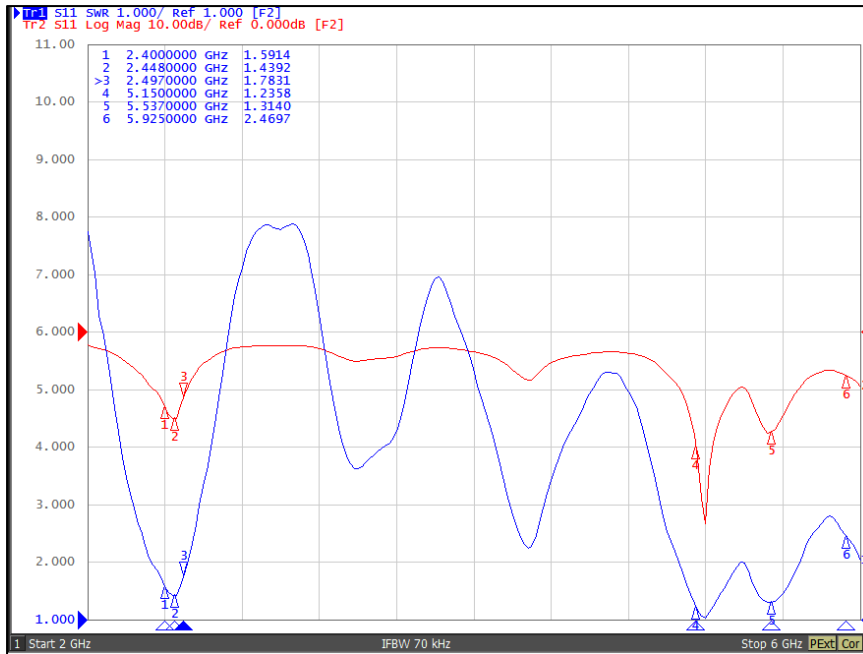
1. Operation performance
2. Measurement results
 - 2.1 S-parameter
 - 2.2 Gain, Efficiency
 - 2.3 Radiation pattern

1. Operation performance

No	Item	Performance	
1	Impedance	50 Ω	
2	VSWR @ Operating frequency (2400~2483.5MHz) (5150~5850MHz)	Max. 1.79:1 Max. 2.47:1	
3	Average Gain [dBi]	2450 MHz	-0.86
		5500 MHz	-2.98
4	Efficiency Average [%]	2450 MHz	82.08
		5500 MHz	50.36
5	Peak Gain [dBi]	2400 MHz	4.26
		2450 MHz	4.64
		2485 MHz	4.14
		5150 MHz	3.19
		5500 MHz	6.08
		5850 MHz	2.29
6	Radiation pattern	Omni-directional	

2. Measurement results

2.1 S-parameter



2.2 Gain Efficiency

Freq.[MHz]	Eff.[%]	Avg.[dBi]	Peak[dBi]
2400	75.29	-1.23	4.26
2450	82.08	-0.86	4.64
2485	73.77	-1.32	4.14
5150	36.93	-4.33	3.19
5500	50.36	-2.98	6.08
5850	25.28	-5.97	2.29

2.3 Radiation pattern

