DATA SHEETS

P/N: ABM6020B1



Bluetooth Chip Antenna

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≻Features

- ✓ These **ABM6020B1** is specially designed for Bluetooth.
- ✓ High dielectric, Low loss antenna was achieved by new material.
- ✓ By utilizing PCB assembly line, it can be mass produced at low cost.

> Part Numbering(P/N)

<u>A</u> <u>B</u> <u>M</u> <u>6020</u> <u>B</u> <u>1</u>

1 2 3 4 5 6

1 Product company: A- ARRO

2 Application: B-Bluetooth

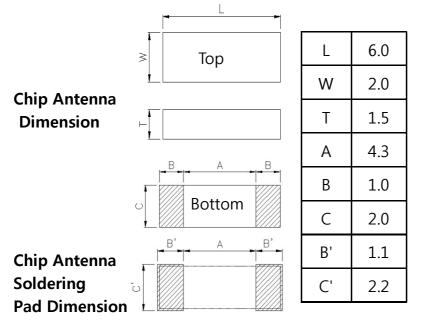
3 Antenna Type: M- Monopole

4) Chip antenna size: 6020 -6.0 x 2.0

(5) Product thickness: B - 1.5 T

6 Revision number : 1 –first product

> Mechanical Dimension



Chip Antenna Real Product



(unit: mm, tolerance: \pm 0.1)



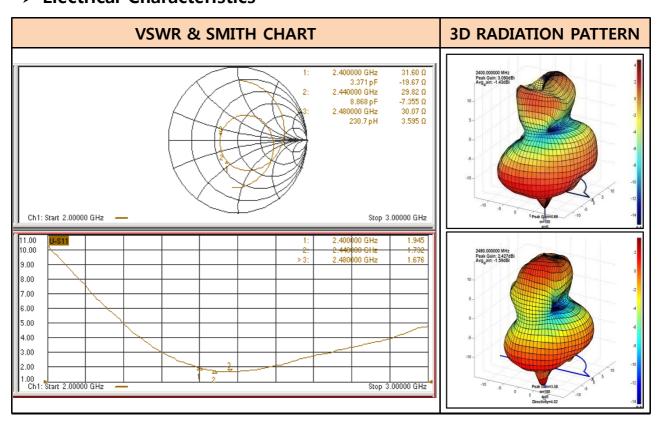
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> Specification

Item		Specification				
Frequency range		2400~2483G				
VSWR		2:1 under				
Polarinzation		Linear				
Radiation		Omni-directional				
Impedance		50Ω				
Frequency [MHz]		2400	2420	2440	2460	2480
Gain[dBi]	Peak	3.1	3.1	2.8	2.6	2,4
	Average	-1.4	-1.5	-1.7	-1.7	-1.6
Efficiency(%)		71.9	70.4	67.6	67.9	69.3

^{*}상기 특성은 전체 보드 사이즈가 85x40 mm로 측정한 결과임.

> Electrical Characteristics

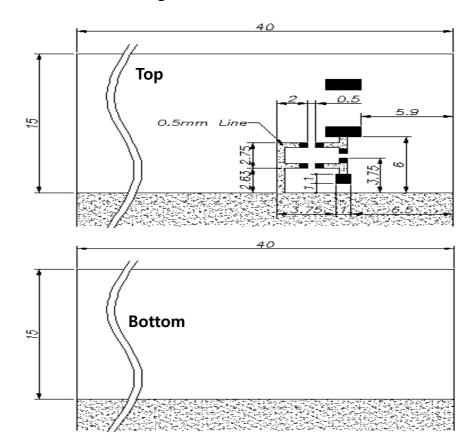




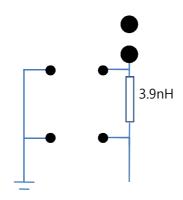
Bluetooth Chip Antenna

> Standard PCB Design & Matching Circuit

✓ **Standard PCB Design** (unit : mm, tolerance : ± 0.05)



✓ Matching Circuit



< Default Condition Equivalent Circuit >

