

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**

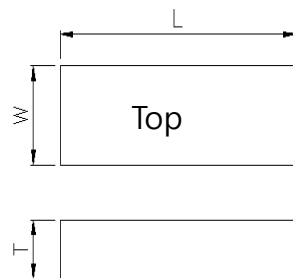
➤ Part Numbering(P/N)

A B M 6020 B 1
① ② ③ ④ ⑤ ⑥

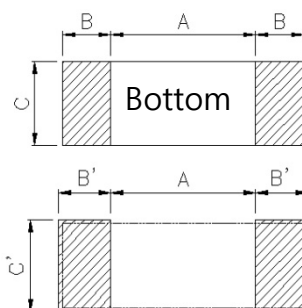
- ① Product company : A- ARRO
- ② Application : B -Bluetooth
- ③ Antenna Type : M- Monopole
- ④ Chip antenna size : 6020 -6.0 x 2.0
- ⑤ Product thickness : B - 1.5 T
- ⑥ Revision number : 1 –first product

➤ Mechanical Dimension

Chip Antenna
Dimension



Chip Antenna
Soldering
Pad Dimension



L	6.0
W	2.0
T	1.5
A	4.3
B	1.0
C	2.0
B'	1.1
C'	2.2

Chip Antenna Real Product



(unit : mm , tolerance : ± 0.1)



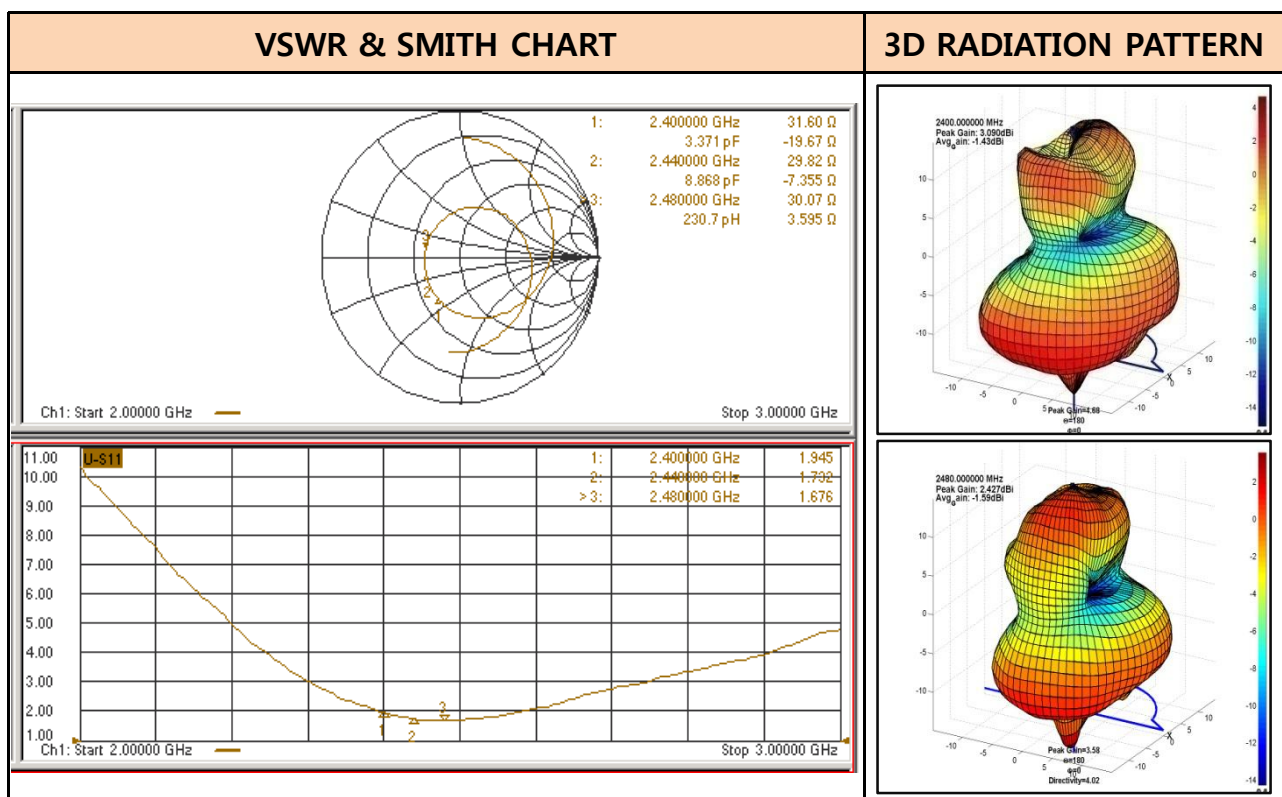
Bluetooth Chip Antenna

➤ 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.

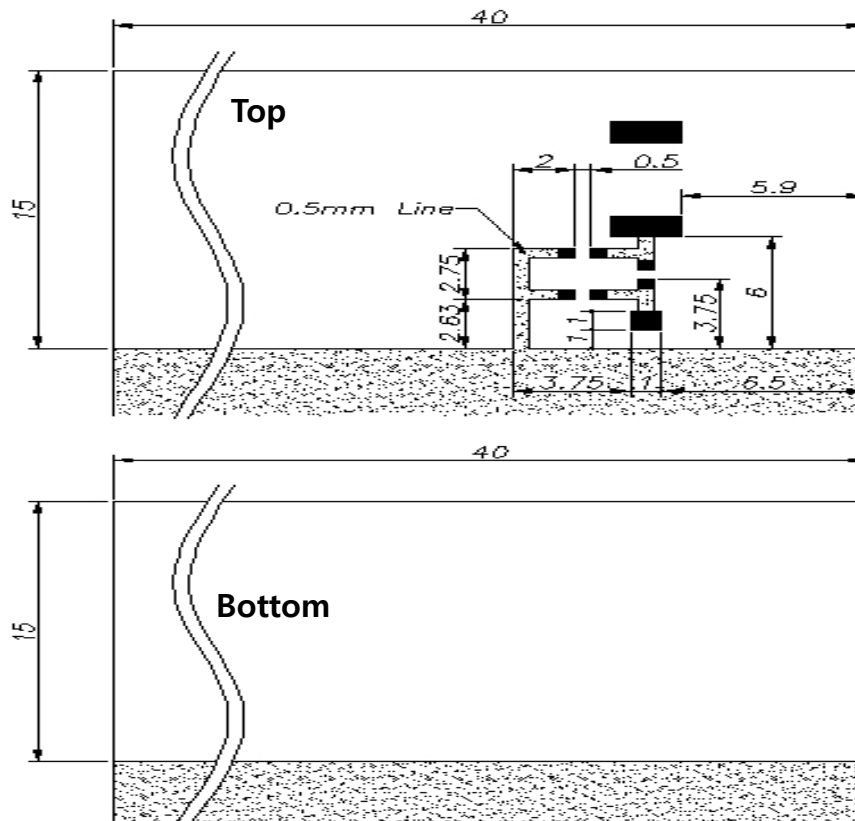
➤ Electrical Characteristics



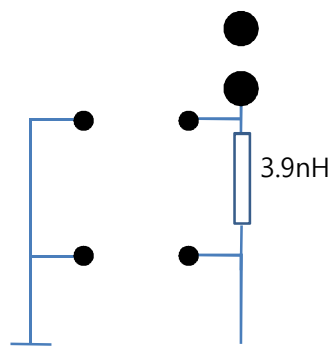
Bluetooth Chip Antenna

➤ Standard PCB Design & Matching Circuit

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



- ✓ **Matching Circuit**



< Default Condition Equivalent Circuit >