Dual Band Wifi/Bluetooth Antenna

APAMBJ-135

RoHS/RoHS II compliant
Lead in copper alloy exemption (6c); and Lead in glass exemption (7c-I)

MSL level: Not Applicable

FEATURES:

- Dual tuning both 2.4GHz and 5.0GHz
- VSWR 1.5:1
- Compact size only 55mm in length
- Linear Polarization
- SMA connector
- RoHS/RoHS II compliant

TYPICAL APPLICATIONS:

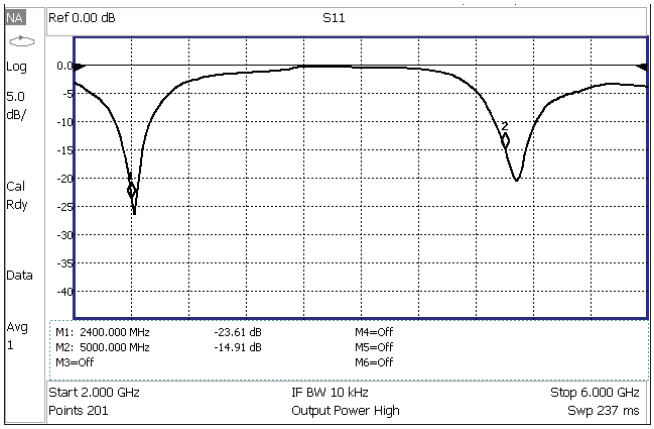
- Bluetooth
- WiFi 2.4GHz and 5GHz
- Routers

STANDARD SPECIFICATIONS:

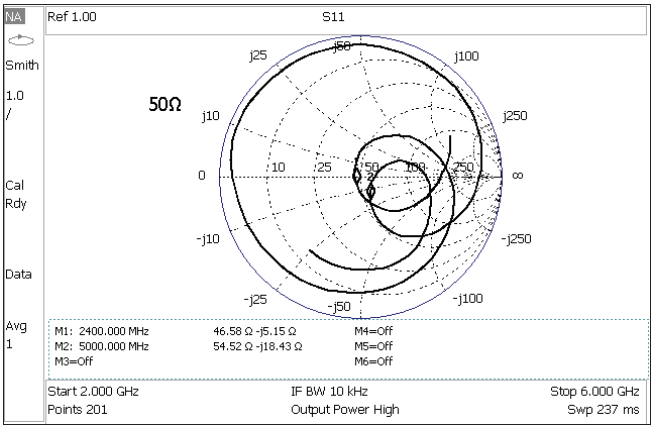
Parameters	Min.	Typ.	Max.	Units	Note
Frequency Range		2.4		GHz	Bluetooth
		5.0		GHz	Wi-Fi
VSWR			1.5:1		
Polarization Model		Linear			
Impedance		50		Ω	
Gain		0		dBi	Bluetooth
		2		dBi	Wi-Fi
Power Capability		20		W	
Operating Temperature	-40		+85	°C	

S11 CHARACTERISTICS

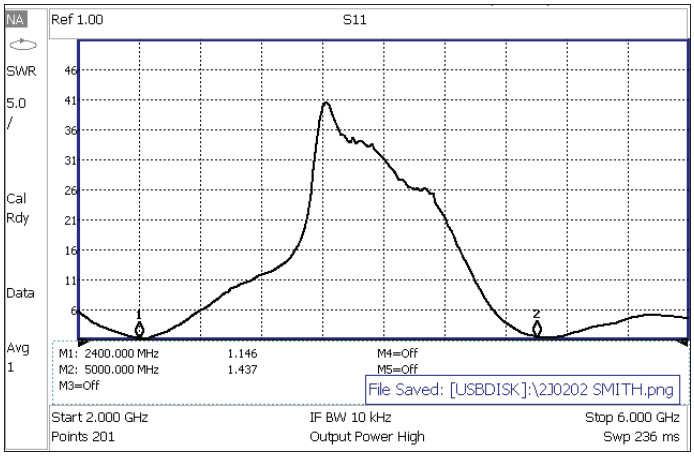
Antenna Matching S11 Characteristics



Smith Chart



Antenna VSWR



REVISED: 09/28/2018

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For terms and conditions of sales visit:
www.abracon.com

ABRACON IS ISO9001-2015 CERTIFIED

Dual Band Wifi/Bluetooth Antenna

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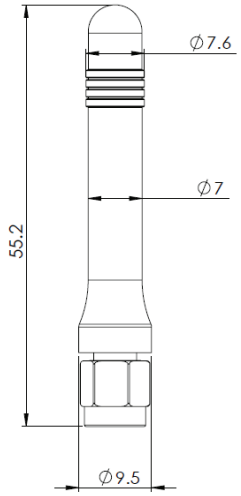
RoHS/RoHS II compliant
Lead in copper alloy exemption (6c); and Lead in glass exemption (7c-I)

54.4 x Ø10.0mm

OUTLINE DRAWING:



Parameters	Description
RF Connector	SMA-J3
Weight	7.2 g
Enclosure	TPE
Color	Black

PACKAGING:

Package Type	Quantity	Dimensions	Weight
Plastic bag	1 pcs/ Plastic bag	100 x 150 mm	7.2 g
Outer Box	1000 pcs/box	470 x 310 x 210 mm	10 kg

CAUTION:

(1) Do not apply excess mechanical stress to the component body or terminations.
Do not attempt to re-form or bend the components as this will cause damage to them.

(2) Do not expose the component to open flame.

(3) This specification applies to the functionality of the component as a single unit.
Please evaluate your specifications before mounting this product.

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