

Wi-Fi/Bluetooth Antenna Module

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:

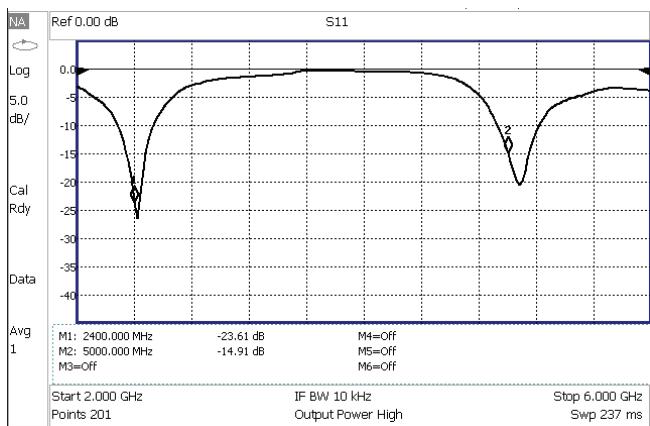
- Bluetooth
- WiFi 2.4GHz and 5GHz
- Routers

STANDARD SPECIFICATIONS:

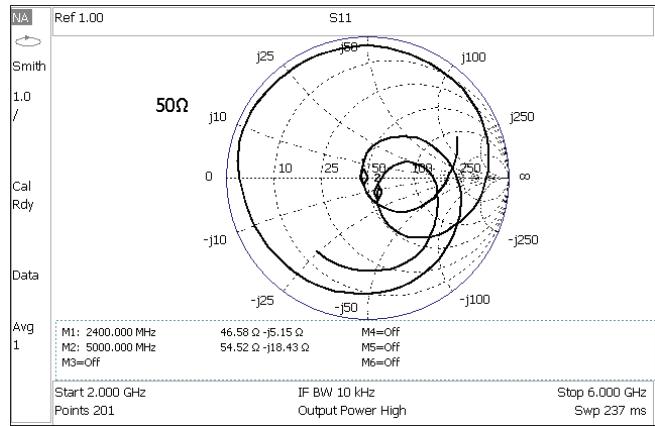
Parameters	Min.	Typ.	Max.	Units	Note
Frequency Range		2.4		GHz	Bluetooth
		5.0		GHz	Wi-Fi
VSWR			1.5:1		
Polarization Model		Linear			
Impedance		50		Ω	
Gain		0		dBi	Bluetooth
		2		dBi	Wi-Fi
Power Capability		20		W	
Operating Temperature	-40		+85	°C	

S11 CHARACTERISTICS

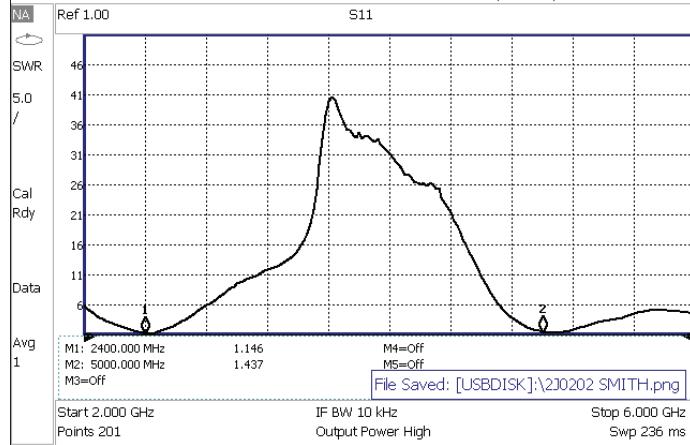
Antenna Matching S11 Characteristics



Smith Chart



Antenna VSWR



Wi-Fi/Bluetooth Antenna Module

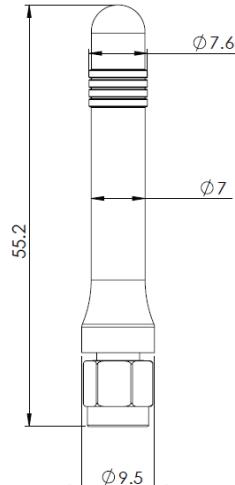
APAMBJ-135

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.

ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.