

# External GSM Antenna

## APAMS-121

RoHS/RoHS II compliant

Lead in copper alloy exemption (6c); and Lead in glass exemption (7c-I)



86.0 x Ø10.0mm

MSL level: Not Applicable

### FEATURES:

- High Reliability/ Sensitivity
- Compact Size
- Easy to install
- ROHS Compliant

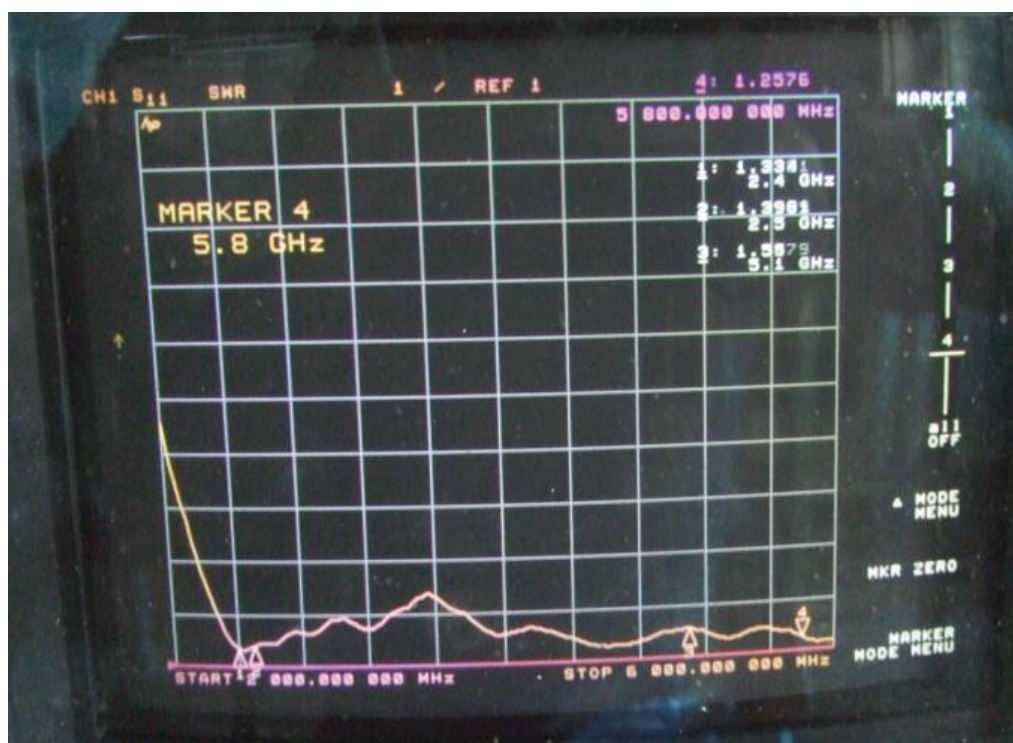
### TYPICAL APPLICATIONS:

- Bluetooth
- WiFi 2.4GHz and 5GHz
- Routers

### STANDARD SPECIFICATIONS:

Parameters	Min.	Typ.	Max.	Units	Note
Frequency Range	2350		2450	MHz	
	5700		5900	MHz	
Bandwidth		100		MHz	(@2400MHz)
		200		MHz	(@5800MHz)
VSWR		2:1			
Polarization Model	Linear Polarization				
Impedance		50		$\Omega$	
Gain		2		dBi	(@2400MHz)
		2		dBi	(@5800MHz)
Azimuth	Omni-Directional				
Operating Temperature	-45		+85	$^{\circ}\text{C}$	
Storage Temperature	-45		+85	$^{\circ}\text{C}$	

### S11 CHARACTERISTICS



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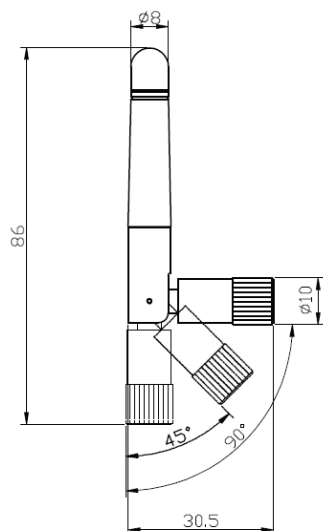
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## OUTLINE DRAWING:

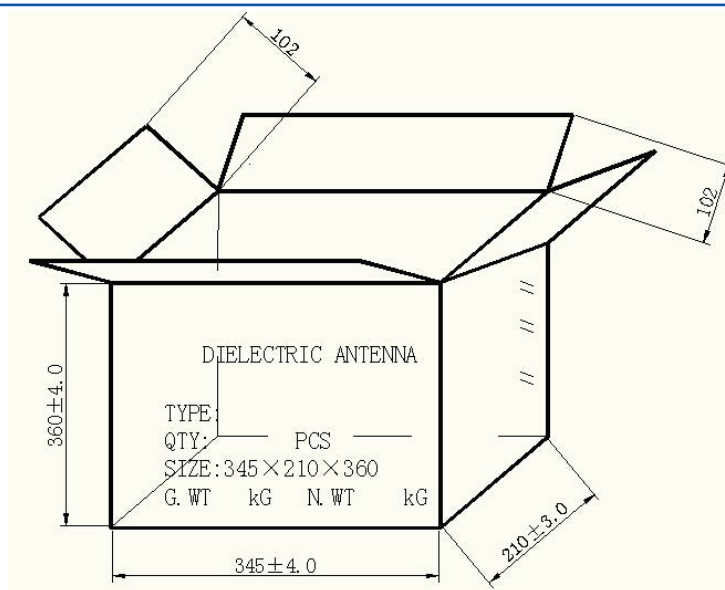


Parameters	Description
RF Connector	SMA-RP
Radiator	Nickel-plated
Weight	10g
Enclosures	Plastic
Color	Black

Unit: mm

## PACKAGING:

Package Type	Quantity
Plastic bag	1 pcs/ Plastic bag
Outer Box	1000 pcs/box



Outer box

### 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 the component.
- (2) Do not expose the component to open flame.
- (3) This specification applies to the functionality of the component as a single unit. Please insure the component is thoroughly evaluated in the application circuit.

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