

# External GSM Antenna

## APAMS-119

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



78.0xØ12.0mm

MSL level: Not Applicable

### FEATURES:

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

### TYPICAL APPLICATIONS:

- Wireless Communications
- GSM
- GPRS
- CDMA
- UMTS
- Vehicle Monitoring

### STANDARD SPECIFICATIONS:

Parameters	Min.	Typ.	Max.	Units	Note
Frequency Range	890		960	MHz	(GSM900)
	1710		1880	MHz	(GSM1800)
Bandwidth		70		MHz	(@900MHz)
		170		MHz	(@1800MHz)
VSWR		4:1			
Polarization Model	Vertical				
Impedance		50		Ω	
Gain		2.15		dBi	(@900MHz)
		2.15		dBi	(@1800MHz)
Azimuth	Omni-Directional				
Power Capability		50		W	
Operating Temperature	-40		+60	°C	
Storage Temperature	-20		+40	°C	

### S11 CHARACTERISTICS



# External GSM Antenna

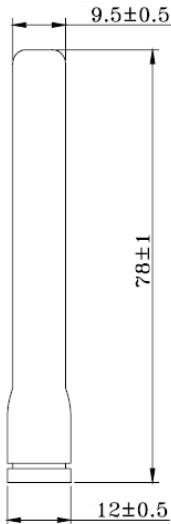
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### OUTLINE DRAWING:

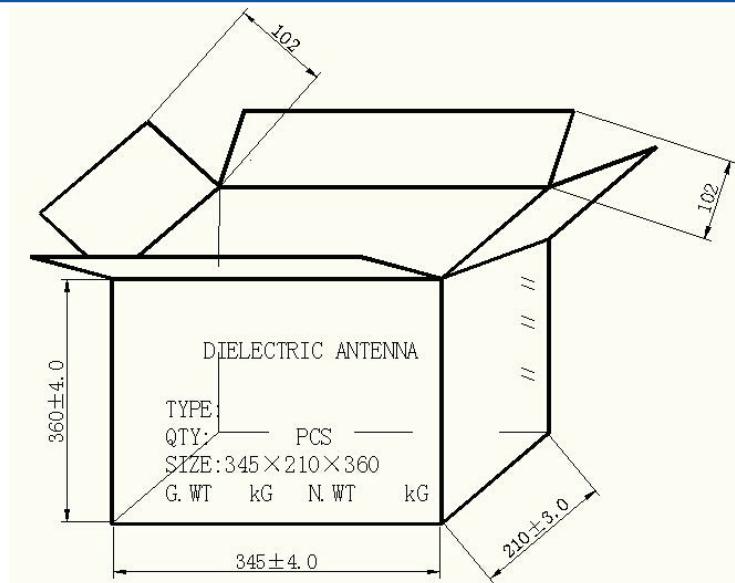


Parameters	Description
RF Connector	SMA-J3
Radiator	Gold-plated
Enclosure	Plastic
Color	Black

Unit: mm

### PACKAGING:

Package Type	Quantity
Plastic bag	1 pcs/ Plastic bag
Outer Box	1300 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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