

# 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

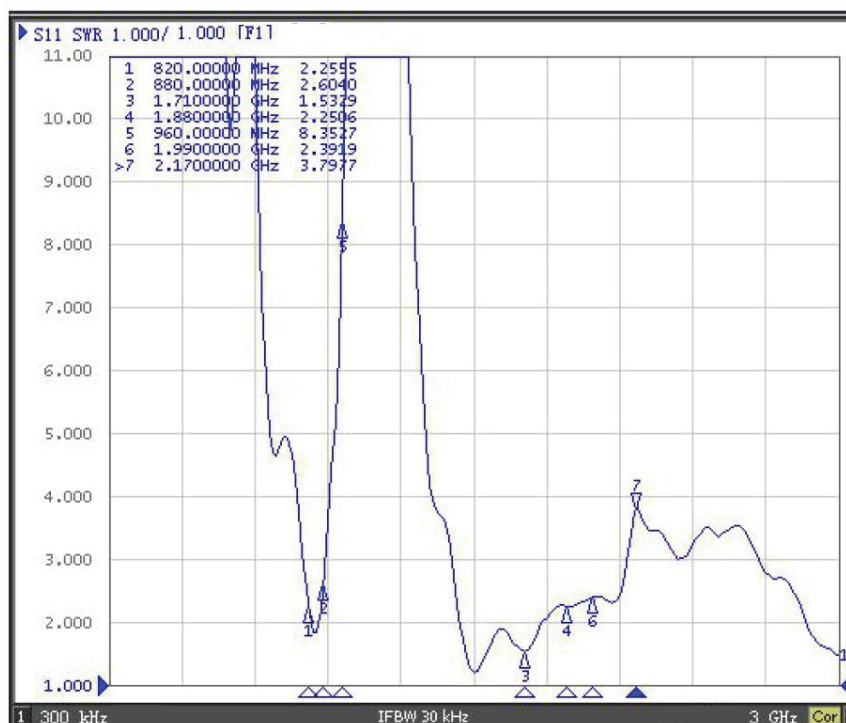
### TYPICAL APPLICATIONS:

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

### STANDARD SPECIFICATIONS:

Parameters	Min.	Typ.	Max.	Units	Note
Frequency Range	820		880	MHz	(GSM900)
	1710		1880	MHz	(GSM1800)
VSWR		4:1			
Polarization Model	Vertical				
Impedance		50		$\Omega$	
Gain			2.5	dBi	
Azimuth	Omni-Directional				
Power Capability		50		W	
Operating Temperature	-40		+60	°C	
Storage Temperature	-20		+40	°C	

### S11 CHARACTERISTICS



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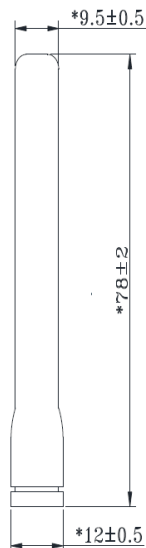
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## OUTLINE DRAWING:



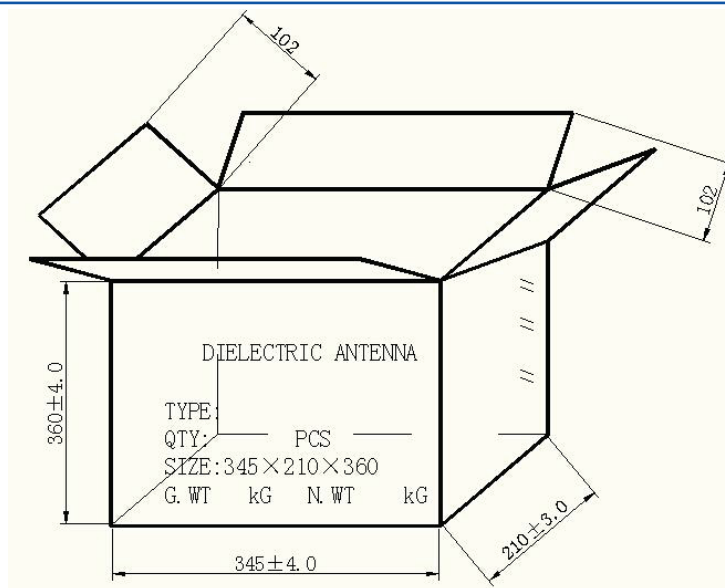
Parameters	Description
Cable	RG-178
Connector	SMA
Radiator	Cuprum
Enclosure	TPE
Radome Color	Black

Unit: mm

Tolerance :  $\pm 0.2$  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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