

# External GSM Antenna



78.0xØ12.0mm

## APAMS-119

RoHS/RoHS II compliant  
Lead in copper alloy exemption (6c); and Lead in glass exemption (7c-1)

MSL level: Not Applicable

### FEATURES:

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

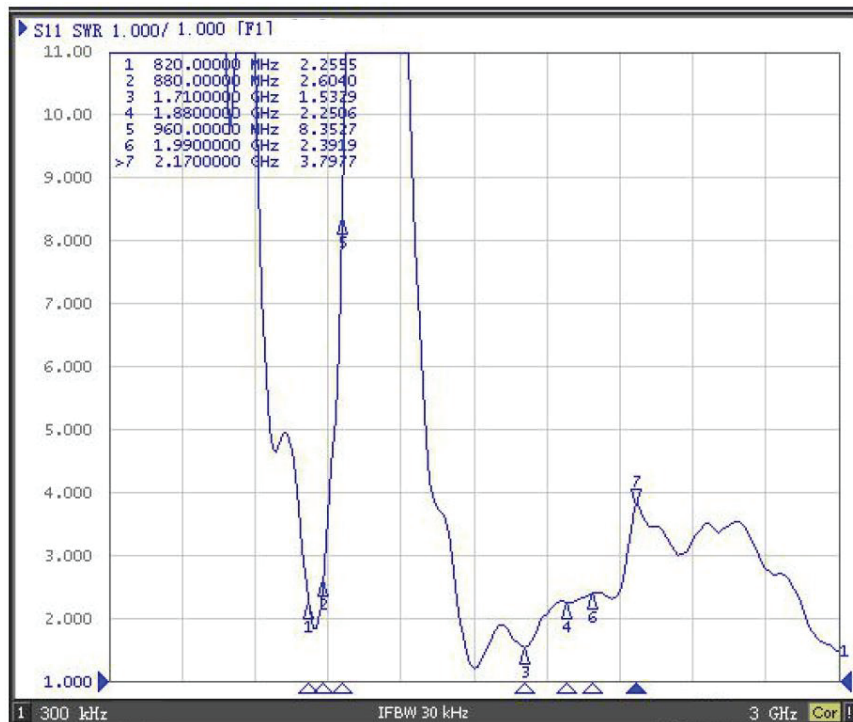
### TYPICAL APPLICATIONS:

- 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		Ω	
Gain			2.5	dBi	
Azimuth	Omni-Directional				
Power Capability		50		W	
Operating Temperature	-40		+60	°C	
Storage Temperature	-20		+40	°C	

### S11 CHARACTERISTICS



# External GSM Antenna

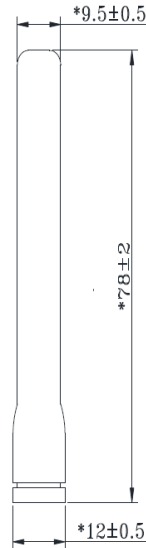
**APAMS-119**

RoHS/RoHS II compliant  
Lead in copper alloy exemption (6c); and Lead in glass exemption (7c-1)



78.0xØ12.0mm

## OUTLINE DRAWING:



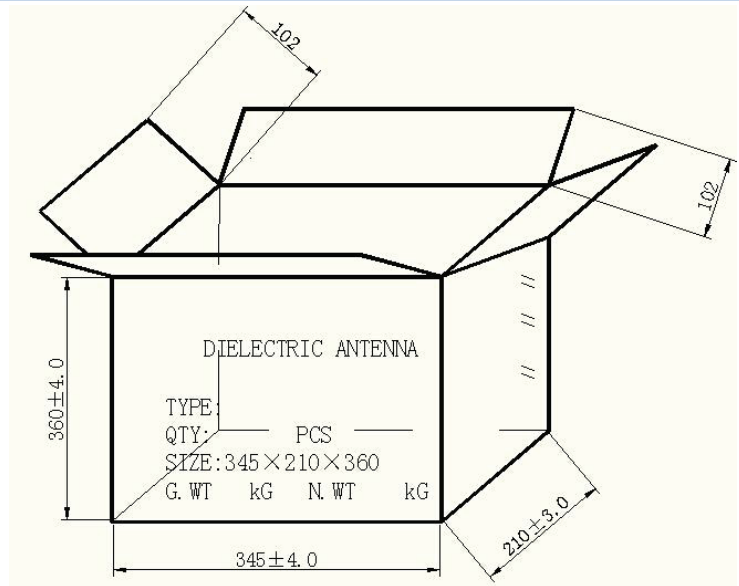
Parameters	Description
Cable	RG-178
Connector	SMA
Radiator	Cuprum
Enclosure	TPE
Radome Color	Black

Unit: mm

Tolerance : ±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.

**ATTENTION:** Abracon LLC'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-dependent 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 LLC is required. Please contact Abracon LLC for more information.