# **External GSM Antenna - Adhesive Mount**

# **APAMS-103**

#### **MSL level: Not Applicable**

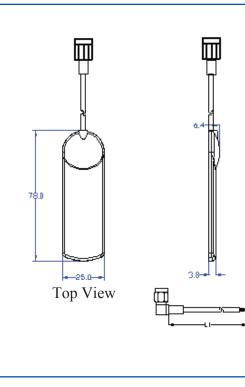
#### **FEATURES:**

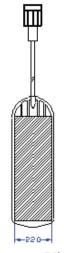
- High Reliability/ Sensitivity
- Compact Size
- Easy to Install (adhesive tape base)
- SGS
- ROHS Compliant

### **STANDARD SPECIFICATIONS:**

Parameters	Min.	Typ.	Max.	Units	Note
Frequency Range	870		960	MHz	(GSM900)
	1710		1880	MHz	(GSM1800)
Bandwidth		90		MHz	(@900MHz)
		170		MHz	(@1800MHz)
VSWR at Center Frequency			2.0		
Polarization Model	Lin	Linear Polarization			
Impedance		50		Ω	
Gain	2			dBi	
Azimuth	On	Omni-Directional			
Operating Temperature	-40		+80	°C	
Storage Temperature	-45		+85	°C	

#### $\geq$ **OUTLINE DRAWING:**





Parameters	Description
L1(Cable Length)	2m
Cable Type	RG174
Connector	SMA Male
Housing	Black
Mounting Type	Adhesive Tape

Bottom View

Unit: mm





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

- **TYPICAL APPLICATIONS:** 
  - Wireless Communications
  - GSM
  - GPRS

- CDMA
- UMTS
- Vehicle Monitoring

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

### **PRODUCT IMAGE:**



### **PACKAGING:**

Each 475x215x215mm size carton includes 100 pieces of antenna.



#### **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 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.





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