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:

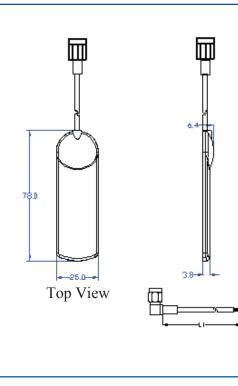
Parameters

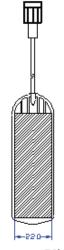
Frequency Range	870		960	MHz	(GSM900)
	1710		1880	MHz	(GSM1800)
Bandwidth		90		MHz	(@900MHz)
		170		MHz	(@1800MHz)
VSWR at Center Frequency			2.0		
Polarization Model	Linear Polarization				
Impedance		50		Ω	
Gain	2			dBi	
Azimuth	Omni-Directional				
Operating Temperature	-40		+80	°C	
Storage Temperature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

Typ.

Min.

\triangleright **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)

Note

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

Max.

- CDMA
- UMTS
- Vehicle Monitoring

Units

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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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