External GSM Antenna - Adhesive Mount

APAMS-102

MSL level: Not Applicable

FEATURES:

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

STANDARD SPECIFICATIONS:

TYPICAL APPLICATIONS:

RoHS/RoHS II compliant

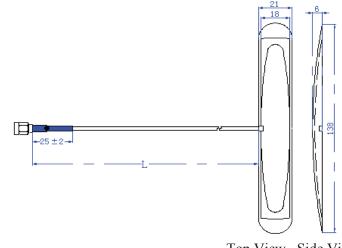
- Wireless Communications
- GSM

Lead in copper alloy exemption (6c); and Lead in glass exemption (7c-I)

- GPRS
- CDMA
- UMTS
- Vehicle Monitoring

Parameters	Min.	Тур.	Max.	Units	Note
Frequency Range	820		960	MHz	(GSM900)
	1710		1880	MHz	(GSM1800)
	1850		1990	MHz	(GSM1900)
	1900		2170	MHz	(UMTS)
Bandwidth		140		MHz	(@900MHz)
		170		MHz	(@1800MHz)
		140		MHz	(@1900MHz)
		170		MHz	(@2000MHz)
VSWR				2:1	
Polarization Model	Line	Linear Polarization			
Impedance		50		Ω	
Gain		1		dBi	(@900MHz)
		2		dBi	(@1800MHz)
		2.5		dBi	(@1900MHz)
		3		dBi	(@2000MHz)
Azimuth	On	Omni-Directional			
Operating Temperature	-40		+80	°C	
Storage Temperature	-45		+85	°C	

OUTLINE DRAWING:



Parameters	Description		
L (Cable Length)	300±50cm		
Antenna	PCB		
RF Connector	SMA-J3		
RF Cable	RG174		
Thickness	6mm		
Enclosures	Plastic		
Mounting Type	Adhesive Tape		

Top View Side View



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Unit: mm



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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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