External GSM Antenna - Adhesive Mount

APAMS-101

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

MSL level: Not Applicable

FEATURES:

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

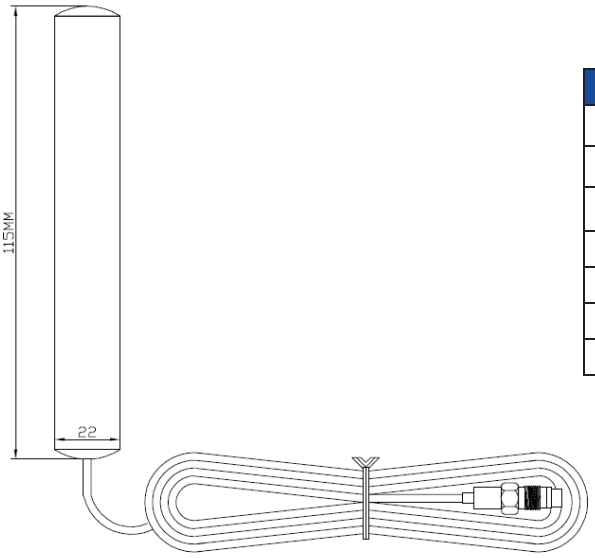
TYPICAL APPLICATIONS:

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

STANDARD SPECIFICATIONS:

Parameters	Min.	Typ.	Max.	Units	Note
Frequency Range	820		960	MHz	(GSM900)
	1710		1990	MHz	(GSM1800)
Bandwidth		140		MHz	(@900MHz)
		280		MHz	(@1800MHz)
VSWR			2:1		
Impedance		50		Ω	
Gain		1		dBi	(@900MHz)
		2		dBi	(@1900MHz)
Polarization	Linear Polarization				
Azimuth	Omni-Directional				
Operating Temperature	-40		+80	˚C	
Storage Temperature	-45		+85	˚C	

OUTLINE DRAWING:



Parameters	Description
L (Cable Length)	2.5±0.1m
Antenna	PCB
RF Connector	FME-K3
RF Cable	RG174
Thickness	7mm
Enclosures	Plastic
Mounting Type	Adhesive Tape

Unit: mm

30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

External GSM Antenna - Adhesive Mount

APAMS-101

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

115 x 22 x 7mm

PRODUCT IMAGE:

PACKAGING:

Each 400x32.5x180mm size carton includes 300 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.

30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com