



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# External GSM Antenna - Adhesive Mount

**APAMS-101**

RoHS/RoHS II compliant

Lead in copper alloy exemption (6c); and Lead in glass exemption (7c-1)



115 x 22 x 7mm

MSL level: Not Applicable

## FEATURES:

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

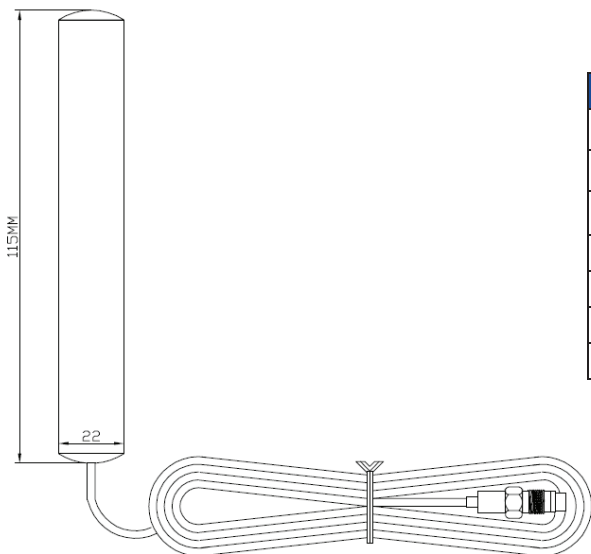
## TYPICAL APPLICATIONS:

- 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		$\Omega$	
Gain		1		dBi	(@900MHz)
		2		dBi	(@1900MHz)
Polarization	Linear Polarization				
Azimuth	Omni-Directional				
Operating Temperature	-40		+80	$^{\circ}\text{C}$	
Storage Temperature	-45		+85	$^{\circ}\text{C}$	

## 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



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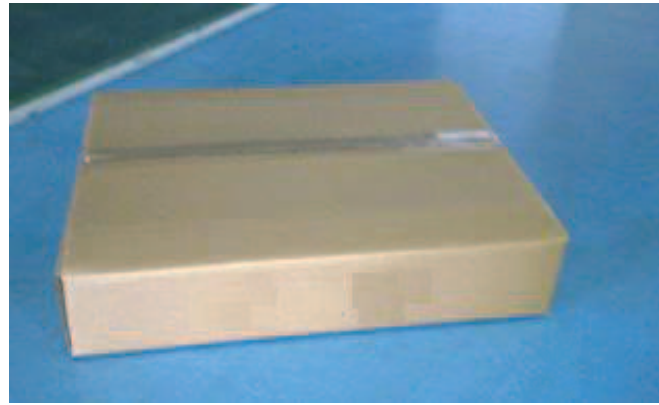


## PRODUCT IMAGE:



## 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.

ABRACON IS  
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CERTIFIED



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