

# 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

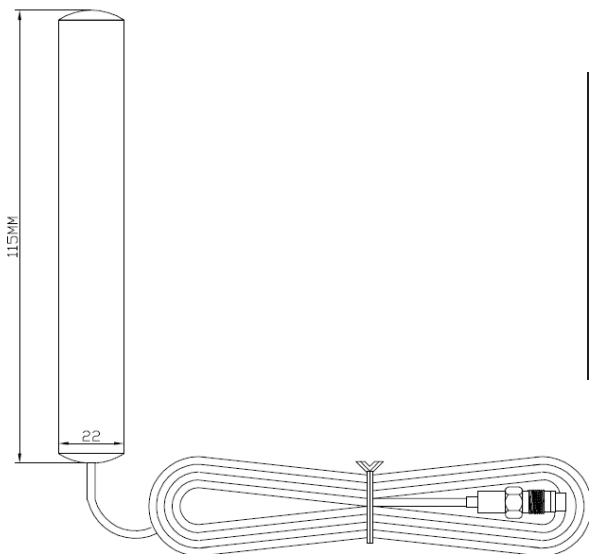
## TYPICAL APPLICATIONS:

- 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   |      | 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

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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.

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30332 Esperanza, Rancho Santa Margarita, California 92688  
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