

# External GSM Antenna - Adhesive Mount

## APAMS-103

RoHS/RoHS II compliant

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



78 x 25 x 3.8mm

MSL level: Not Applicable

### FEATURES:

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

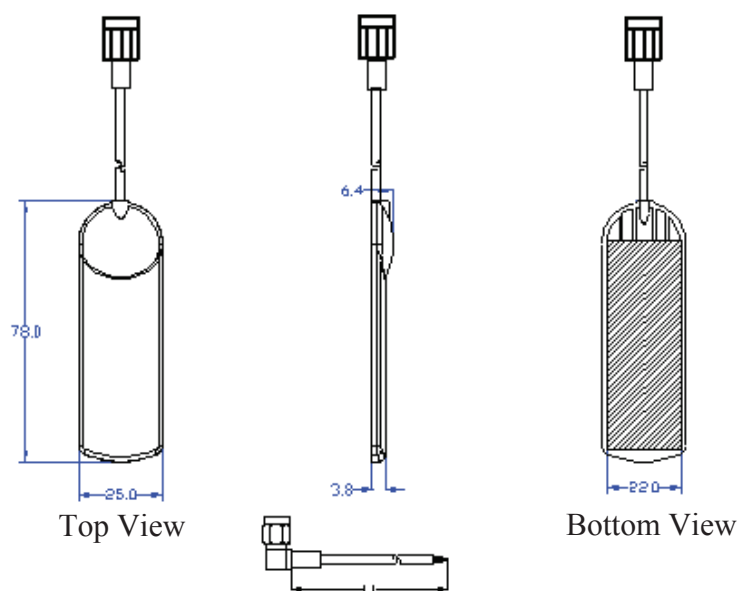
### TYPICAL APPLICATIONS:

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

### STANDARD SPECIFICATIONS:

| Parameters               | Min.                | Typ. | Max. | Units    | Note       |
|--------------------------|---------------------|------|------|----------|------------|
| 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   |      | $\Omega$ |            |
| Gain                     | 2                   |      |      | dBi      |            |
| Azimuth                  | Omni-Directional    |      |      |          |            |
| Operating Temperature    | -40                 |      | +80  | °C       |            |
| Storage Temperature      | -45                 |      | +85  | °C       |            |

### OUTLINE DRAWING:



| Parameters       | Description   |
|------------------|---------------|
| L1(Cable Length) | 2m            |
| Cable Type       | RG174         |
| Connector        | SMA Male      |
| Housing          | Black         |
| Mounting Type    | Adhesive Tape |

Unit: mm

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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.

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