

External GSM Antenna - Magnetic Mount

APAMS-104

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 (magnetic base)
- SGS
- ROHS Compliant

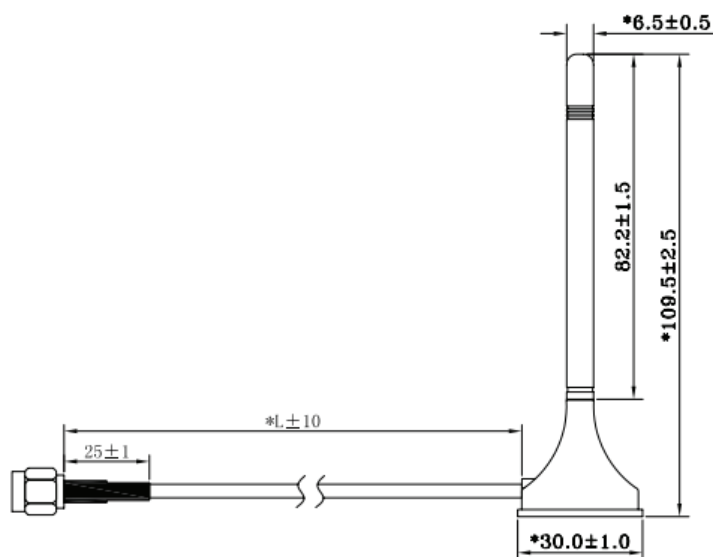
TYPICAL APPLICATIONS:

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

STANDARD SPECIFICATIONS:

| Parameters | Min. | Typ. | Max. | Units | Note |
|-----------------------|------------------|------|------|--------------------|-----------|
| Frequency Range | 890 | | 960 | MHz | (GSM900) |
| | 1710 | | 1880 | MHz | (GSM1800) |
| Bandwidth | | 70 | | MHz | @900MHz |
| | | 170 | | MHz | @1800MHz |
| VSWR | | | 2:1 | | |
| Polarization Model | Vertical | | | | |
| Impedance | | 50 | | Ω | |
| Gain | | 2.5 | | dBi | @900MHz |
| | | 3.0 | | dBi | @1800MHz |
| Azimuth | Omni-Directional | | | | |
| Operating Temperature | -40 | | +80 | $^{\circ}\text{C}$ | |
| Storage Temperature | -45 | | +85 | $^{\circ}\text{C}$ | |

OUTLINE DRAWING:



| Parameters | Description |
|------------------|---------------|
| L (Cable Length) | 250±10cm |
| Antenna Length | 30x109.5mm |
| RF Cable | RG174 |
| Base Diameter | 30mm |
| Connector | SMA-J3 |
| Color | Black |
| Mounting | Magnetic Base |

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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