

# GSM Antenna Module - Magnet Base

**APAMS-131**

RoHS/RoHS II compliant

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



111 x Ø6.78 mm

MSL level: Not Applicable

## FEATURES:

- High Reliability/ Sensitivity
- Compact Size
- Easy to install (magnet base)
- 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	°C	
Storage Temperature	-45		+85	°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	Magnet 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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