GPS Active Antenna Module - Magnet Base


111 x Ø6.78 mm

APAMS-131

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 (magnet base)
- ROHS Compliant

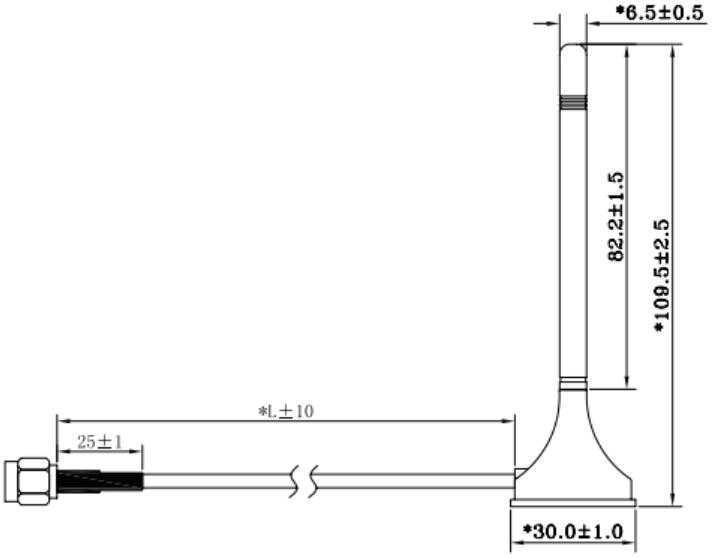
TYPICAL APPLICATIONS:

- 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.

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.

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