



# GPS ANTENNA

The content of this specification may change without notification 5/01/09



## GPS/GSM Vehicle Antenna

P/N: JXTXGPS-CZG-2701



### Specification for GPS Antenna

Center Frequency	1575.42MHz±3 MHz	
VSWR	1.5:1	
Band Width	±5 MHz	
Impedance	50 ohm	
Peak Gain	>5dBic	Based on 7 x 7cm ground plane
Gain Coverage	>-4dBic at -90° <0<+90° (over 75% Volume)	
Polarization	RHCP	
LNA Gain (Without cable)	27dB Typical	
Noise Figure	1.5dB	Max
VSWR	<2.0	
DC Voltage	5V±0.3V	
DC Current	12mA Max	

### Specification for GSM Antenna

Frequency	890MHz~960MHz 1710MHz~1880MHz
VSWR	2:1
Band Width	40MHz@900MHz 100MHz@1800MHz
Impedance	50 ohm
Peak Gain	1dBi@900 MHz 1dBi@1800 MHz
Azimuth	Omni-directional
Polarization	Linear Polarization

### Mechanical Specification

Weight	<160g
Size	Φ78x15mm
Cable	RG174 , 5meter long
Connector	GPS Antenna: SMA Male or customized GSM Antenna: SMA Male or customized
Mounting	Adhesive-mount
Color	Black

### Environmental Specification

Working Temperature	-40°C ~ +85°C	
Storage Temperature	-40°C ~ +100°C	
Vibration	Sine sweep 1g(0-p) 10~50~10Hz each axis	
Humidity	95%~100%RH	
Weatherproof	100% Waterproof	
Reliability	40°C±5°C	DC=5.0V±0.3V
MTBF=1x10-6/pc.hr	Qty: 2000pcs	Time: 480h

Custom Designs Available. For current data sheets, please contact: sales@aacix.com