



GPS/GSM Vehicle Antenna

P/N: OMCGPS-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 MTBF=1x10 <sup>6</sup> /pc.hr	40°C±5°C DC=5.0V±0.3V Qty: 2000pcs Time: 480h