



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Active GPS Antenna



Pulse Part Number GPSGM Family

The GPSGM family of active GPS ultra thin, oval shaped antennas offer versatility for installation, as they can be positioned on the dash or window without orientation concerns



### Features

- 50 percent thinner than standard GPS antennas
- Versatile installation inside the vehicle - no specific installation location or orientation required.
- Glass or dashboard mount
- Offered with a variety of cable lengths and connector options
- RoHS Compliant Product

### Applications

- Vehicle tracking
- Fleet management / asset tracking
- In-car infotainment
- "Pay-as-you-drive" insurance applications

P/N	Cable Length (feet / meters)	Connector
GPSGMSMA	16.4 / 5	SMA Male

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## Electrical Specifications

Frequency [MHz]	1575.42
Nominal Impedance [ $\Omega$ ]	50
VSWR Max	1.5:1
Gain [dBi Max]	1.5
Radiation Pattern	Omni-directional
Cable Type	RG-174

## LNA Specifications

Gain [dB $\pm$ 2]	26
Noise Figure [dBi]	1 Max
Current Draw [mA]	12 typical
Voltage [Dc]	3 - 5 ( $\pm$ 10%)

## Mechanical Specifications

Radome Material	PC-ABS Plastic Blend
Color	Black
Height [Inches/Meters]	.2 / 5.45
Width [Inches/Meters]	1.18 x 2 / 30 x 50
Mounting	Die cut double-sided tape included

## Environmental Specifications

Operating Temperature [ $^{\circ}$ C]	-40 to +85
Storage Temperature [ $^{\circ}$ C]	-40 to +85
Relative Humidity [%]	20 to 95

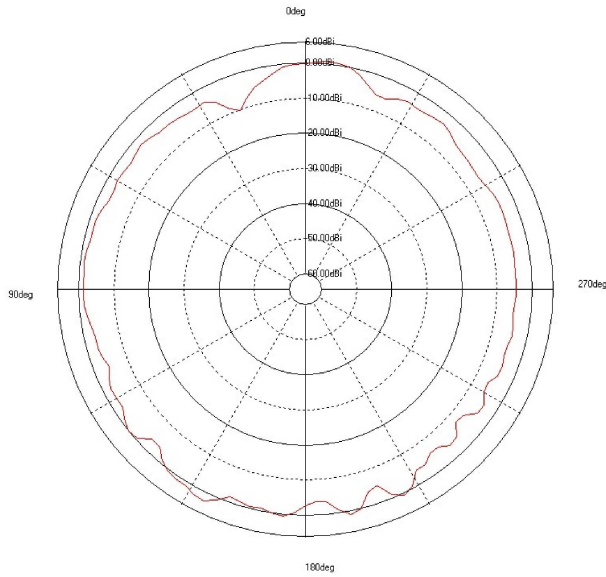


# Active GPS Antenna

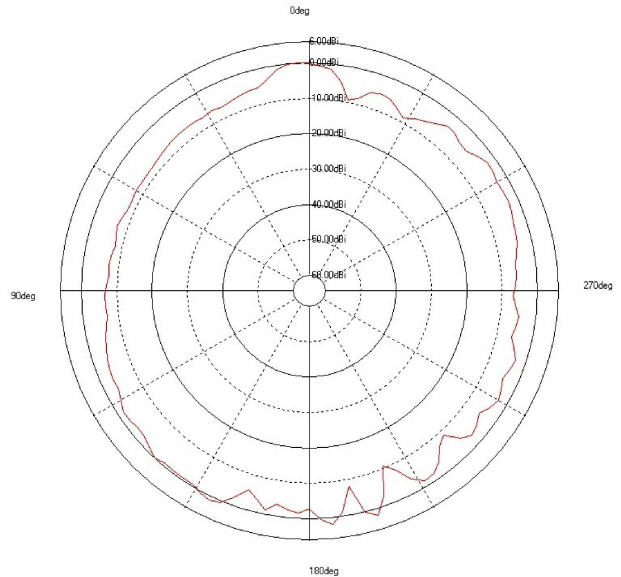
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## Radiation Patterns

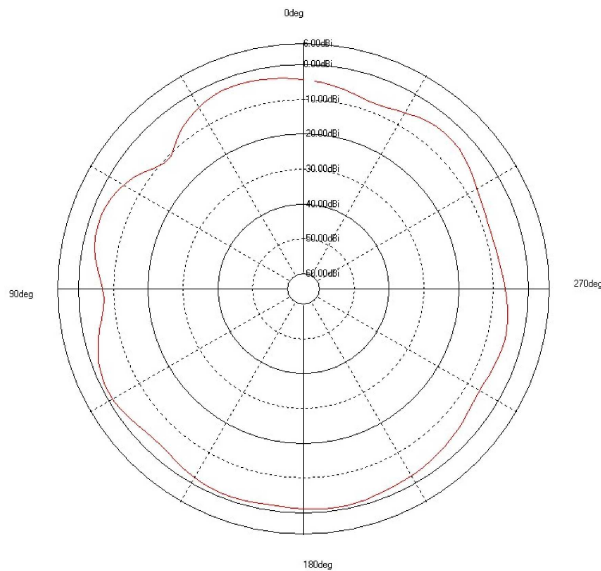
### XZ Plane



### ZY Plane



### XY Plane



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