

# 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

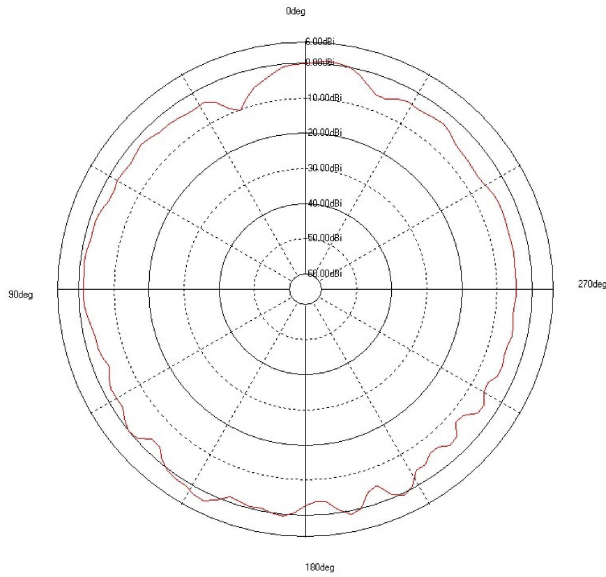
Operating Temperature [ $^{\circ}$ C]	-40 to +85
Storage Temperature [ $^{\circ}$ C]	-40 to +85
Relative Humidity [%]	20 to 95

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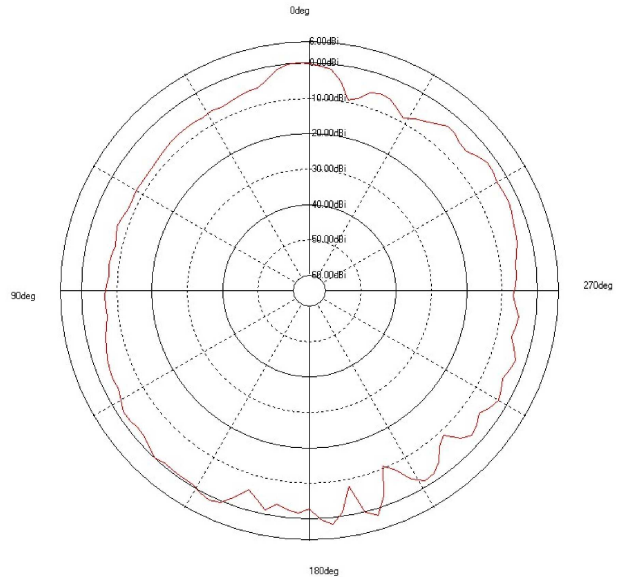
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## Radiation Patterns

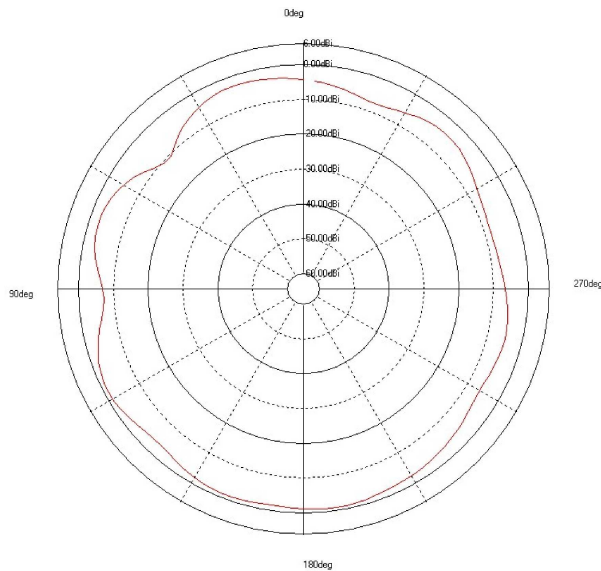
**XZ Plane**



**ZY Plane**



**XY Plane**



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