

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 [Ω]	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

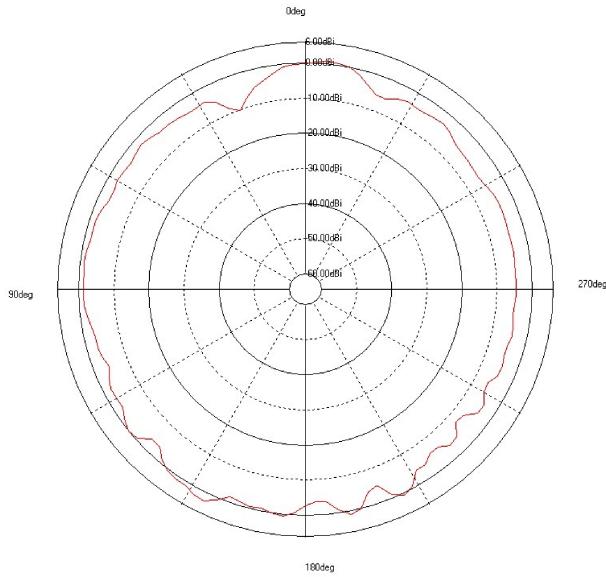
Operating Temperature [$^{\circ}$ C]	-40 to +85
Storage Temperature [$^{\circ}$ C]	-40 to +85
Relative Humidity [%]	20 to 95

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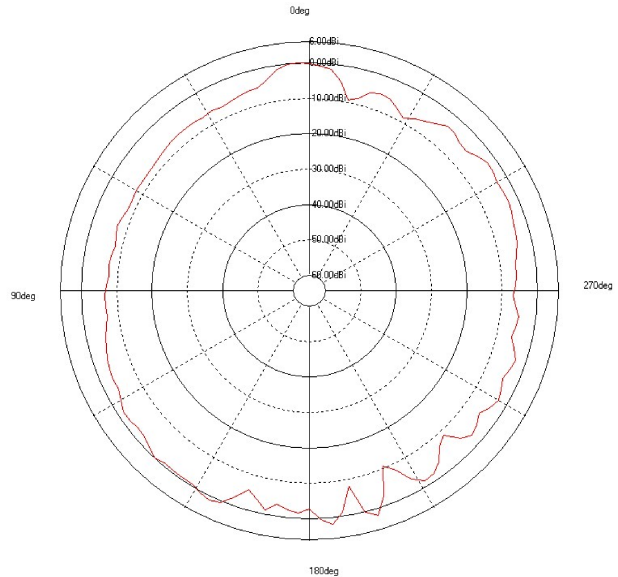
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Radiation Patterns

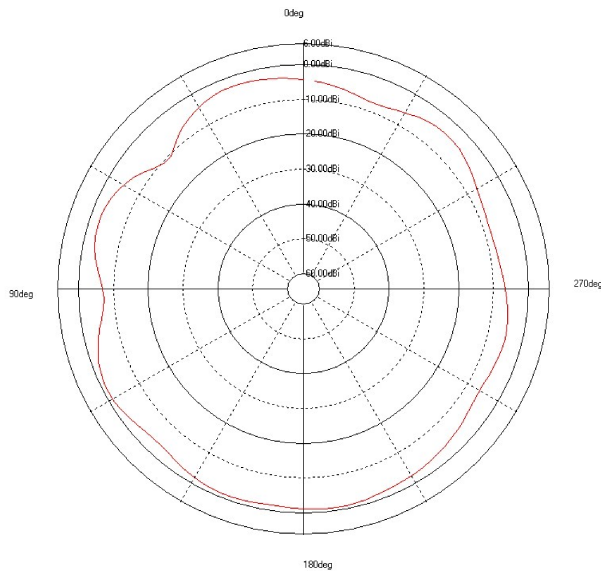
XZ Plane



ZY Plane



XY Plane



For More Information

Pulse Worldwide Headquarters

12220 World Trade Drive
San Diego, CA 92128
U.S.A.

Tel: 858 674 8100
Fax: 858 674 8262

Larsen Brand Antennas

3611 NE 112th Avenue
Vancouver, WA 98682
USA

Tel: 360 944 7551
Fax: 360 944 7556

Europe Headquarters

Pulse GmbH & Co. KG
Zeppelinstrasse 15
Herrenberg
Germany

Tel: 49 7032 7806 0
Fax: 49 7032 7806 135

Asia Headquarters

B402, Shenzhen Academy of
Aerospace Technology Bldg,
10th Kejian Road, High-Tech Zone
Nanshan District, Shenzhen, PR China 518057

Tel: 86 755 33966678
Fax: 86 755 33966700

Pulse North Asia

3F, No. 198, Zhongyuan Road
Zhongli City, Taoyuan County 320
Taiwan R. O. C.

Tel: 886 3 4356768
Fax: 886 3 4356823

Pulse (Suzhou) Wireless Products Co., Inc.

99 Huo Ju Road, (#29 Bldg, 4th Phase)
Suzhou New District
Science & Tech Industrial Park
Jiangsu Province, Suzhou 215009 PR China

Tel: 86 512 6807 9998
Fax: 86 512 6809 8023

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