Active GPS Antenna

Pulse Part Number W4000 Family



The W4000 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
W4000D197	16.4 / 5	MMCX Male Straight
W4000G197	16.4 / 5	SMA Male Straight
W4000J197	16.4 / 5	MCX Male Straight
W4000L197	16.4 / 5	FME Male Straight
W4000G059	5 / 1.5	SMA Male Straight

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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

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

LNA Specifications

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

Environmental Specifications

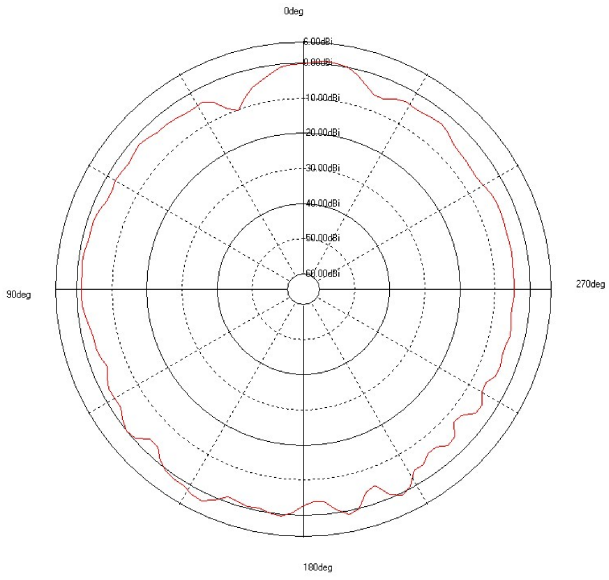
Operating Temperature [°C]	-40 to +85
Storage Temperature [°C]	-40 to +85
Relative Humidity [%]	20 to 95

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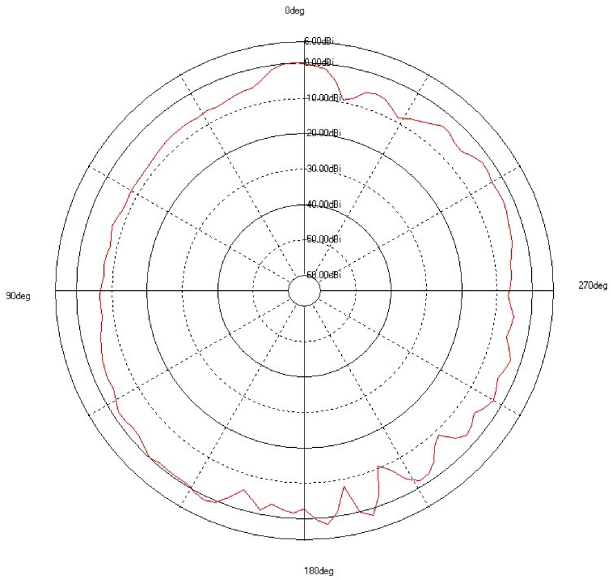
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Radiation Patterns

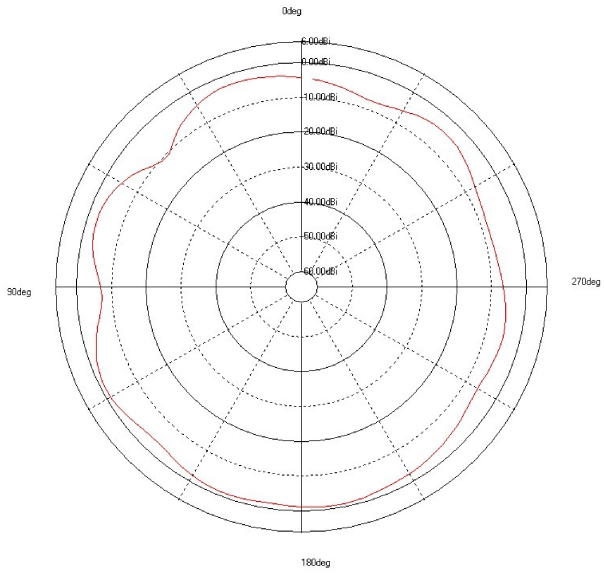
XZ Plane



ZY Plane



XY Plane



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