

## WPANT67001-R1A

### High Gain GPS Body-mount Antenna



### Description / Application

This is a very High Gain Active Patch Body mount Outdoor antenna for GPS L1 Band function. This can be used in portable navigation and tracking applications where high performance is required. The module consists of a circularly polarized patch antenna and a Low Noise Amplifier (LNA). It comes with RG-58 cable and Type-N Male connector. It can be customized with different cable lengths and connectors.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further customize the antennas for your specific needs. Please contact [sales@worldproducts.com](mailto:sales@worldproducts.com) with your specific application requirements.

### Electrical Properties

<b>Operating Frequency</b>	1570 – 1580 MHz
<b>Approximate Antenna Impedance [<math>\Omega</math>]</b>	50 $\Omega$
<b>LNA Gain [dBi] (Typical)</b>	42 dBi
<b>Active Antenna Peak Gain [dBi]</b>	47 dBi @ Zenith
<b>Voltage [V] (Typical)</b>	3 – 5 V
<b>Current [mA] (Typical)</b>	18 – 35 mA
<b>Noise Figure [dB] (Typical)</b>	1.5 dB
<b>Polarization</b>	RHCP
<b>Axial Ratio [dB] (Typical)</b>	3 dB
<b>Accepted Power [W] (Max)</b>	180 mW

### Mechanical / Environmental Properties

<b>Antenna Dimensions</b>	3.7" Base Dia X 2" Height (93.5mm X 51.3mm)
<b>Antenna Color</b>	Grey
<b>Cable</b>	RG-58
<b>Connector</b>	Type-N Male
<b>Mount</b>	M26 Screw Mount ; 1.3" Diameter (33mm)
<b>Operating / Storage Temperature</b>	-40°C to +90°C
<b>Environmental</b>	IP67 rated; Meets standards for UL 94V-0
<b>Hazardous Materials</b>	RoHS Compliant

**Pictures & Drawings of the Antenna**

