

# GPS Active External Antenna Specification



<b>Frequency Range</b>	1575.42Mhz
<b>V.S.W.R</b>	1.5:1
<b>Bandwidth</b>	+/-5Mhz
<b>Input Impedance</b>	50ohm
<b>Peak Gain</b>	>3dBic Based on 7×7cm ground plane
<b>Gain Coverage</b>	>-4dBic at $-90^{\circ} < 0 < +90^{\circ}$ (over 75% Volue)
<b>Polarization</b>	RHCP
<b>LNA Gain (Without cable)</b>	28DB
<b>Noise Figure</b>	1.5DB
<b>Filter Out Band Attenuation (f0=1575.42 MHZ)</b>	7dB Min f0+/-20MHz 20dB Min f0+/-50MHz 30dB Min f0+/-100MHz

<b>VSWR</b>	≤2.0:1
<b>DC Voltage</b>	3-5V
<b>DC Current</b>	Max 10mA
<b>Antenna Size</b>	50.5*50.5*15mm
<b>Cable length</b>	1m/2m/3m/5m or other
<b>Connector Type</b>	SMA/MCX/MMCX/SM/BNC/FAKRA etc.
<b>Antenna Color</b>	Black
<b>Antenna Mounting</b>	Magnetic
<b>Storage Temperature</b>	-30°C to +75°C
<b>Weatherproof</b>	100% Waterproof

Size drawing

