

## GPS Vehicle Antenna

P/N: JXTXGPS-CZ-1575-75N

### 1. Antenna Specification

Center Frequency[fc]	1575.42±3MHz
VSWR	1.5:1
Bandwidth	±5MHz
Attenuation	fc±100MHz > 30dB
Output Band Rejection	-25dBc min@1475MHz -30dBc min@1675MHz
Impedence	50Ohm
Peak Gain	>3dBic Based on 70x70mm ground plane
Gain Coverage	>-4dBic at -90°<0<+90° (over 75% Volume)
Polarization	RHCP

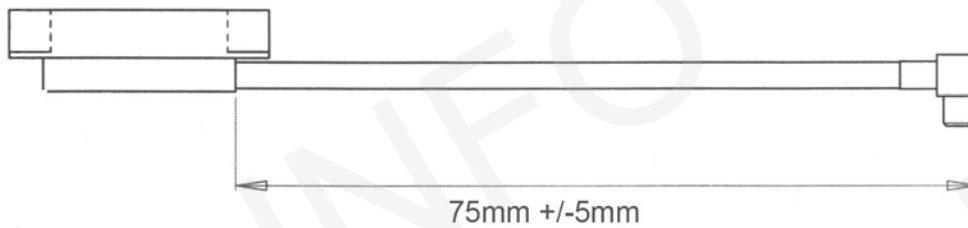
### 2. LNA Specification

LNA Gain(Without Cable)	27dB Typical
Noise Figure	1.5dB
VSWR	< 2.0
DC Voltage	3.0±0.5V
DC Current	15mA max

### 3. Mechanical Specification

Weight	< 100 gram
Size	28 x 28 x 9mm
Cable	RG174,Length:75mm±5mm(including connector)
Connector	MMCX Male Right Angle Direction: ground

## Outline Drawing



## 4. Environmental Specification

<b>Working Temperature</b>	<b>-40°C ~ +85°C</b>
<b>Storage Temperature</b>	<b>-40°C ~ +100°C</b>
<b>Vibration</b>	<b>Sine sweep 1g(0-p) 10~50Hz each axis</b>
<b>Humidity</b>	<b>95%~100% RH</b>