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# Specifications

GPS+GLONASS Ceramic antenna

GL-DYS2501

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**Description:**

It is passive ceramic antenna, and it can receive GPS L1 &GLONASS G1 band RHCP signal, small volume and high stability

**Application Environment**

Inland	yes	Indoor	yes
Coastal	yes	Outdoor	yes

**Technical Index**

- Guarantee period: 1 year
- Requirements: silver surface smooth,no pollution,no oxidation
- Ceramic body has no bump and pollution
- No oxidation of welding pin,good weldability

**Performance Index**

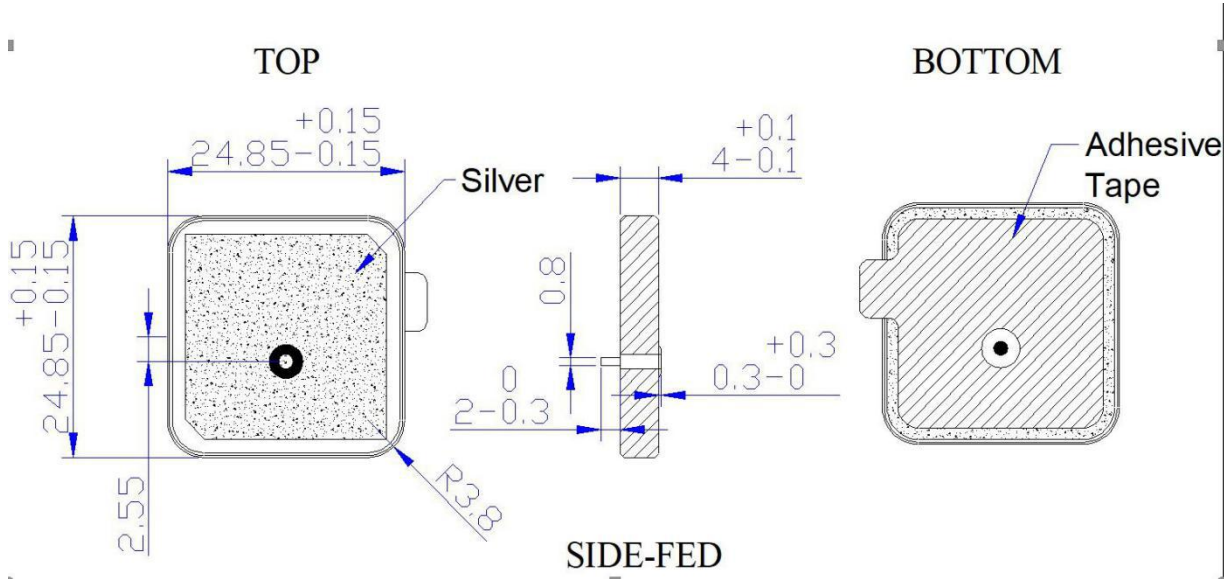
Technical requirements	Technical Index
Material name	Passive ceramic antenna
Frequency Range(MHz)	GPS :1575.42MHz GLONASS: 1602Mhz
Center Frequency(MHz)	1590MHz
Gain(dBi) ( Gain at Zenith )	≥2dBi(connecting PCB)
Axial Ratio(dB)	≤5dB(Center Frequency)

Bandwidth(MHz)	20MHz min (Return Loss@-10dB)
Output Impedance( $\Omega$ )	50 $\Omega$
V.S.W.R(dB)	<2
Return Loss(dB)	$\leq$ -15(1575.42MHz&1602MHz)
Vertical Beamwidth( $^{\circ}$ )	100 $\pm$ 10 $^{\circ}$
Horizontal Beamwidth ( $^{\circ}$ )	360 $^{\circ}$
Efficiency (%)	$\geq$ 57%@1575MHz
	$\geq$ 56%@1575MHz
Polarization	RHCP
Dimension (mm)	25*25*4

### Environmental adaptation

1	Working temperature[ $^{\circ}$ C]	-40~ 85
2	Working Temperature[ $^{\circ}$ C]	-40~ 85
3	Working Humidity[%]	$\leq$ 95

**Product structure drawing**



**Packing way**

Blister packaging (50PCS)X8=boxes X4  
Boxes X 4= 1 carton

