



# GLOBAL EAST ASIA TECHNOLOGY CO.,LIMITED

Product Name: Ceramic Antenna

product model: GLXCT2504

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 weld ability

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(Ω)	50Ω
V.S.W.R(dB)	<2

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Return Loss(dB)	$\leq -15(1575.42\text{MHz}\&1602\text{MHz})$
Vertical Beamwidth( $^{\circ}$ )	$100\pm 10^{\circ}$
Horizontal Beamwidth ( $^{\circ}$ )	$360^{\circ}$
Efficiency (%)	$\geq 57\% @ 1575\text{MHz}$
	$\geq 56\% @ 1575\text{MHz}$
Polarization	RHCP
Dimension (mm)	$25*25*4$

## Environmental adaptation

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

## Product structure drawing

