

A 规格书

PPROVAL SHEET

--

Customername _____

CustomerP/N _____

Article Description _____
25*25 GPS Glonass Antenna

Part No. _____

Approval sheetNo. _____

Date _____
2019/05/29

FOR CUSTOMER APPROVED			
R&D	Designer	Check by	APPROVAL:
Date			

Prepared By	Checked By		
	ME	QA	R&D
Macro	joe	david	koo

ShenZhen Tongxun Precision Technology CO., LTD.

Factory Add : No52,xikeng road ,xinhe community,longhua district shenzhen city ,,Guangdong province .China

TEL 86 0755-2819 8597

POST CODE: 518110

Application :

can be applied to automotive electronics, vehicle positioning, navigation, anti-theft, area measurement, monitoring devices and other equipment;

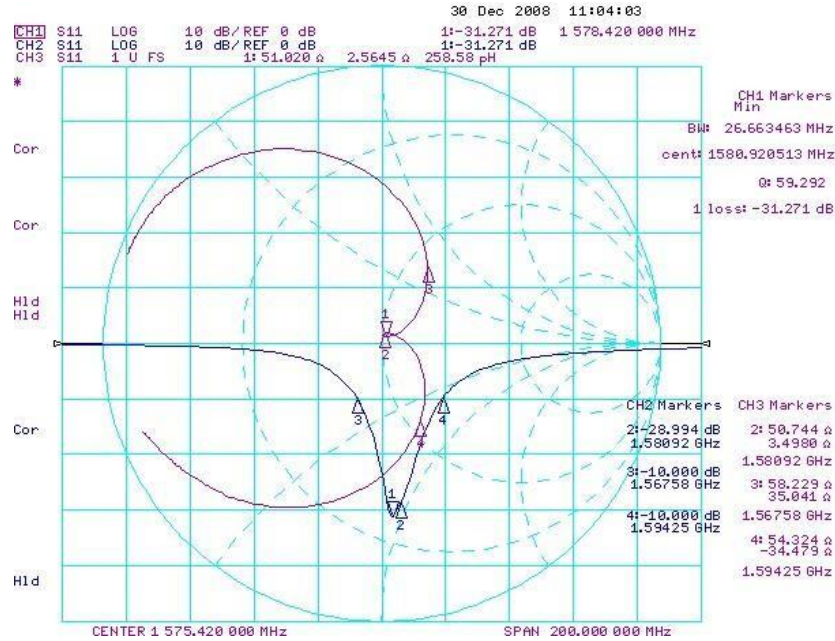
Devices that need to strengthen GPS and Glonass signals in emerging electronic products and consumer electronics, such as handheld navigation devices, tablet computers, etc

Electrical performance :

Chart 1

parameter	specification
Dimension	25mm*25mm*4mm
Frequency range	1575MHz 1605MHz
Width band	15MHz min. @S11 -10 dB
V.S.W.R	≤2.0
Gain	0 dBic (ground base50mm*50mm 时)
Polarization	R.H.C.P.
Axial ratio	3.0 dB Typ.
Work temperature	-40°C to +85°C
Max temperature	-40°C to +85°C
Relative humidity	10 to 95% RH

I. Return loss and Smith Chart for Ceramic Patch:



Test device : E5062A

Structure and Material

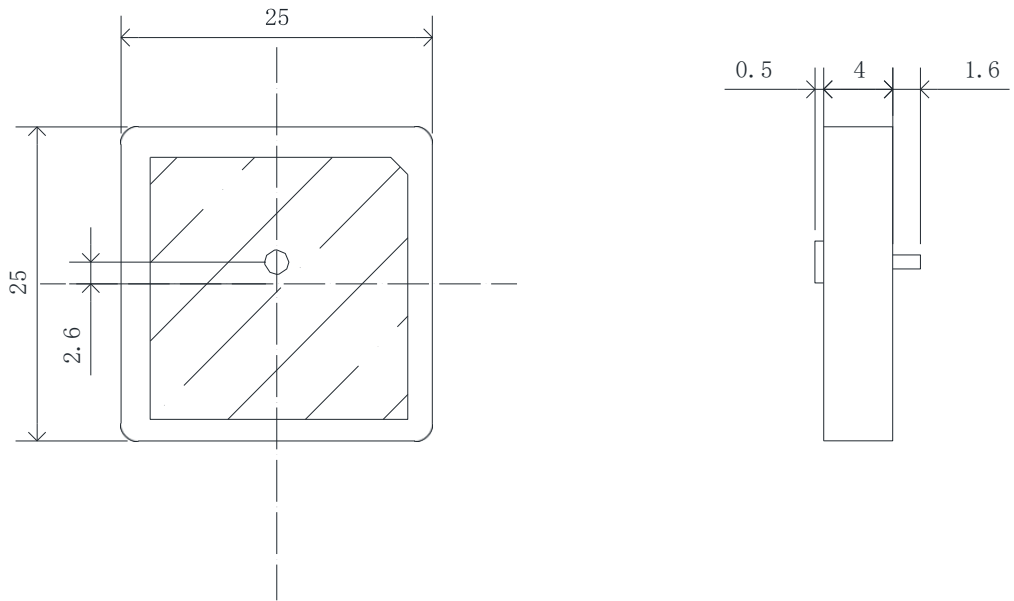
NO.	Description	Structure and Material
1	Antenna Substrate	Dielectric Ceramics
2	Pin	Copper, Tin Plated
3	Electrode	Ag Plated
4	Ground Base	Ag Plated
5	Adhesive type	3M , T : 0.13mm

Dimension

1、L: $25.0 \pm 0.2\text{mm}$

W: $25.0 \pm 0.2\text{mm}$

H: $4.0 \pm 0.1\text{mm}$



Recommended welding conditions

Manual welding:

● Soldering iron power : max 30W

● Warm up : 150 °C/ 60 sec.

● Tip temperature : max350°C.

● Welding time : max 3 sec.

● Solder : Sn/3.0Ag/0.5Cu

● Manual welding: up to 1 time

