

2JCP2540101Ca

GNSS Ceramic Thru-Hole Mount

Key Features

GPS/GLONASS/BeiDou/QZSS/Galileo

- 1561-1606 MHz

Thru-Hole Mount

High Gain

Ground Plane Independent

Dimensions 25 x 25 x 4 mm

Please check our Development Kit

2JDK0201Ca-A28



1. Antenna and electrical specifications

Parameters	GNSS Ceramic Thru-Hole Mount Antenna		
Standards	BeiDou	GPS/QZSS/Galileo	GLONASS
Bands (MHz)	1561	1575	1602
Frequency (MHz)	1561.098	1575.42	1598-1606
Return Loss (dB)	~-12.2	~-9.4	~-15.7
VSWR	~1.6:1	~2.0:1	~1.4:1
Efficiency (%)	~72.2	~79.7	~81.6
Peak Gain (dBi)	~4.2	~4.5	~5.0
Average Gain (dB)	~-1.4	~-1.0	~-0.9
Impedance (Ohms)	50		
Radiation Pattern	Hemispherical		
Polarization	RHCP		

Antenna Measurement Conditions:

Free Space

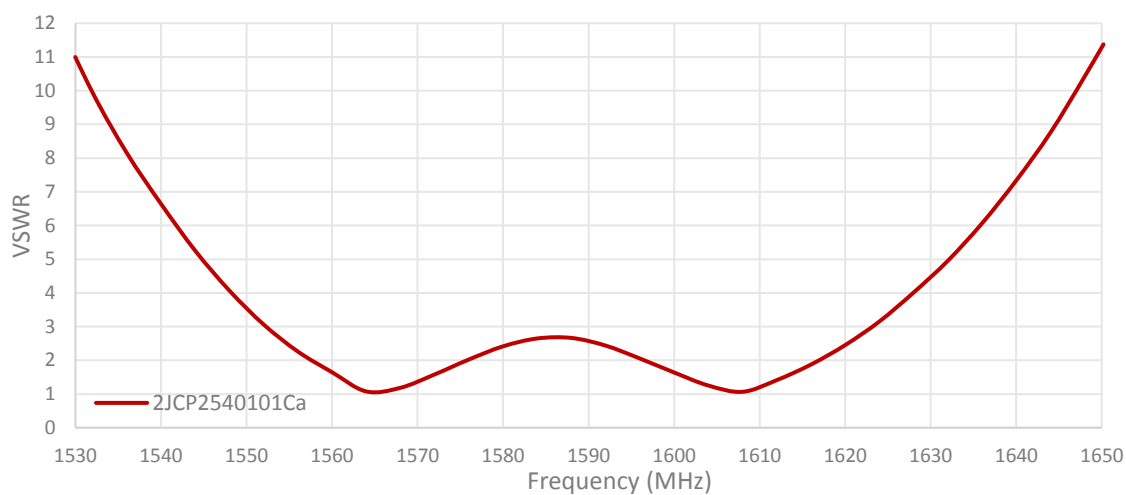
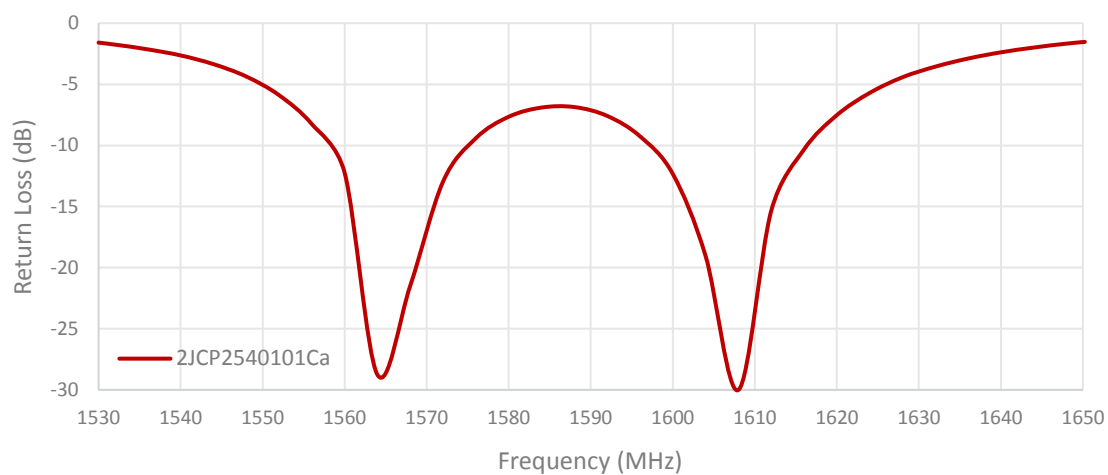
Mounted on Ground Plane of 70 x 70 mm

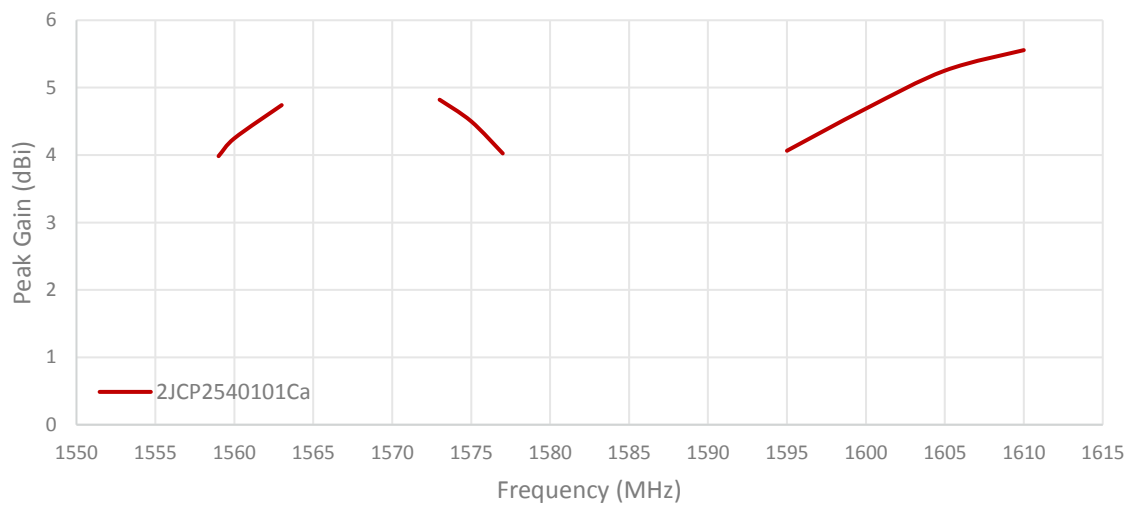
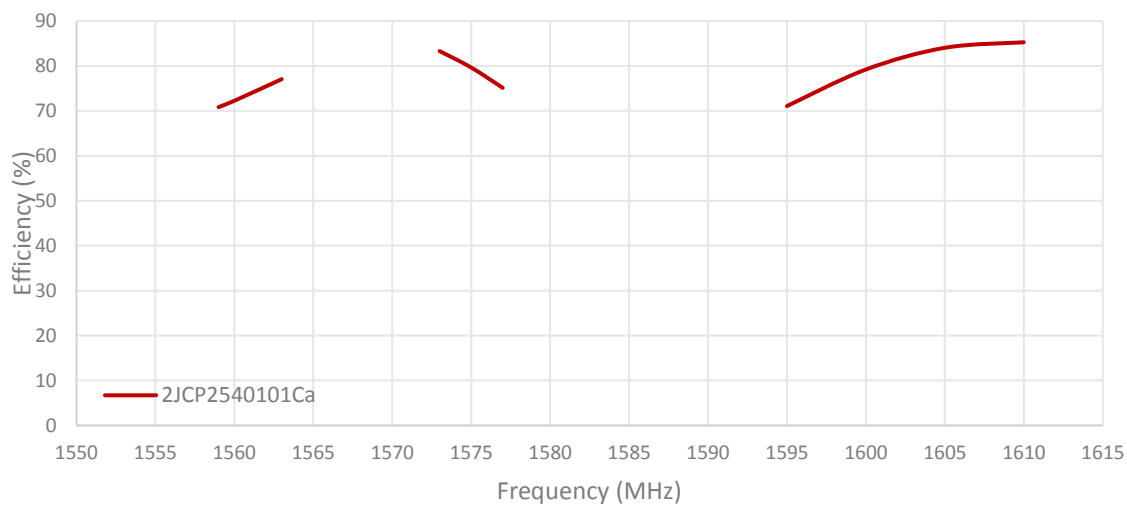
Measured in Certified CTIA 3D Anechoic Chamber

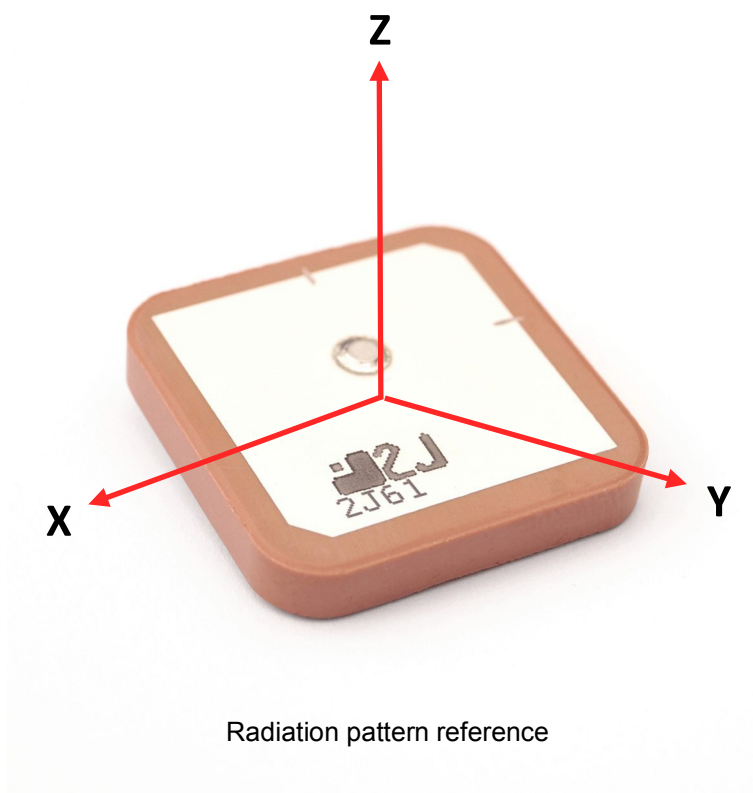
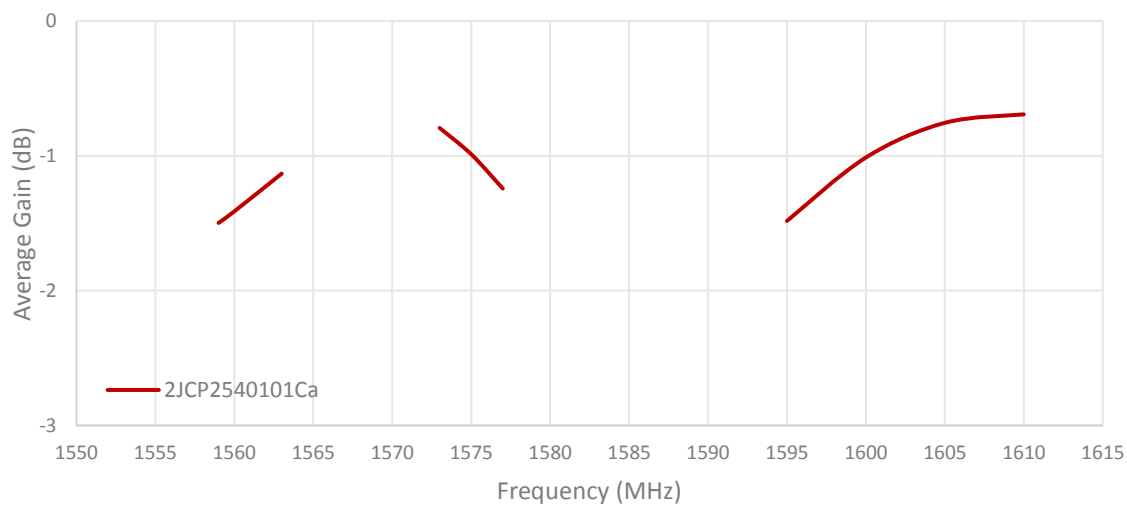
2. Mechanical and environmental specifications

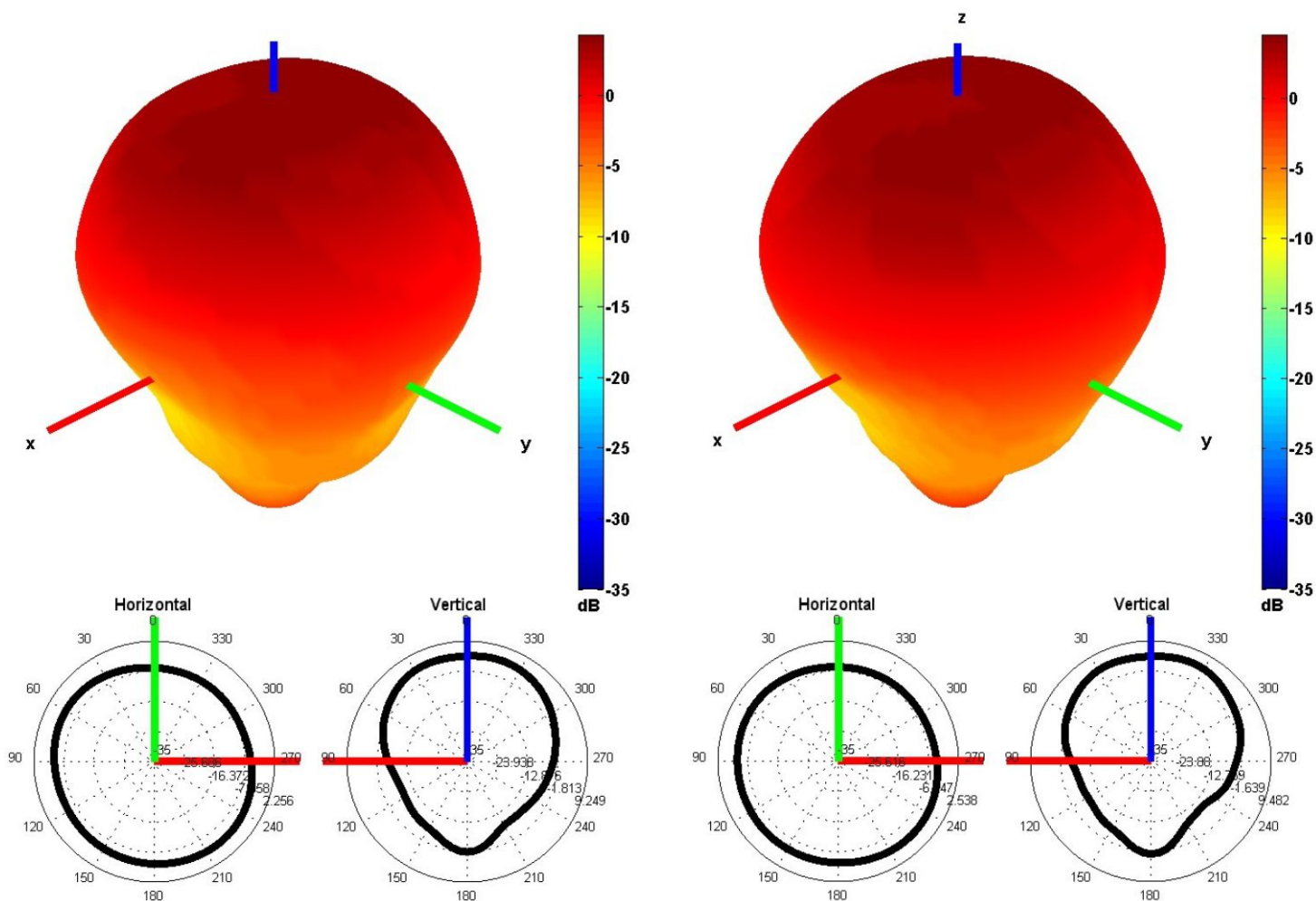
Specifications	2JCP2540101Ca
Mounting Type	Thru-Hole Mount
Adhesive	Nitto 5000NS
Dimensions (mm)	25 x 25 x 4
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

3. Antenna parameters

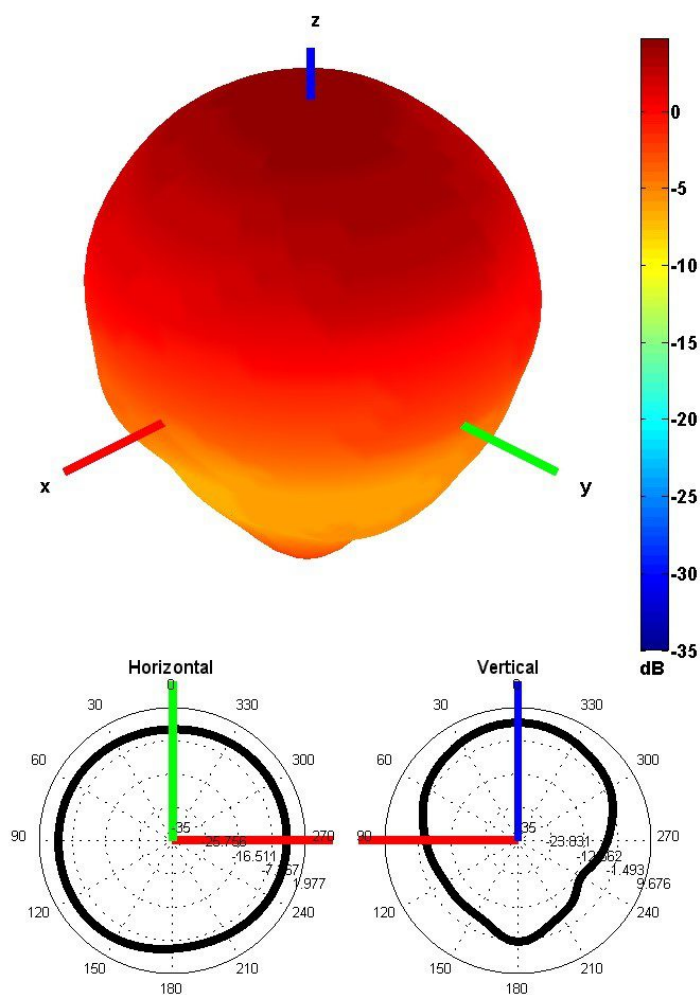






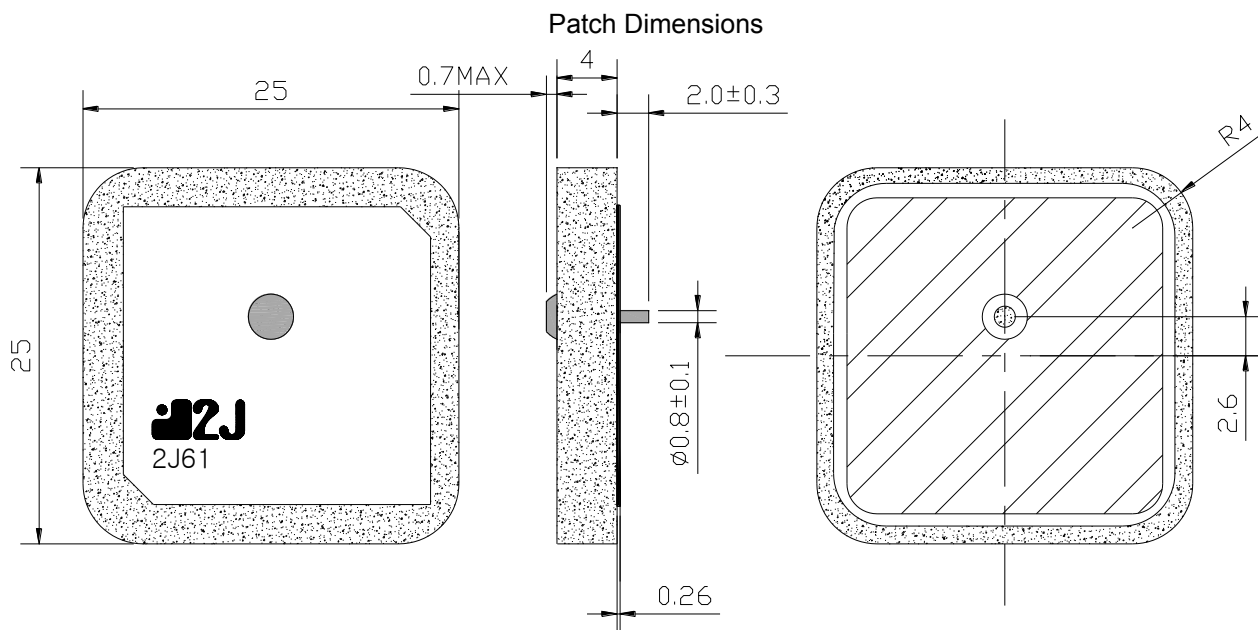


1561 AND 1575 MHz RADIATION PATTERN

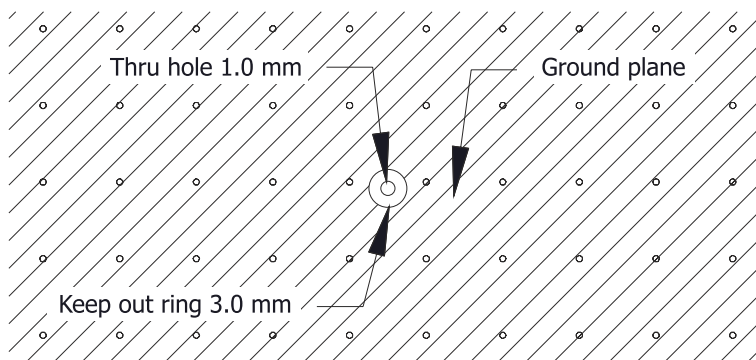


1602 MHz RADIATION PATTERN

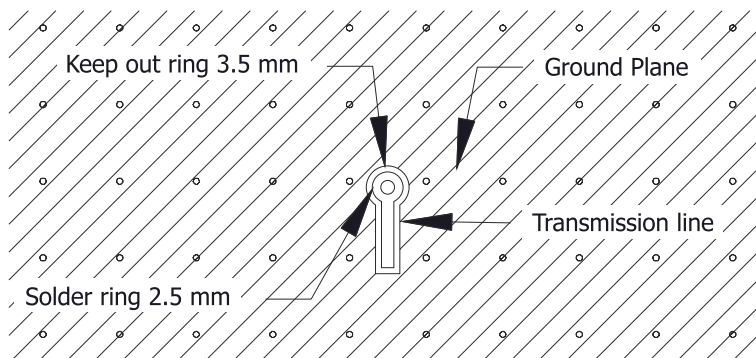
4. Antenna drawings



Layout for top layer



Layout for bottom layer



5. Antenna Images

