

### Descriptions

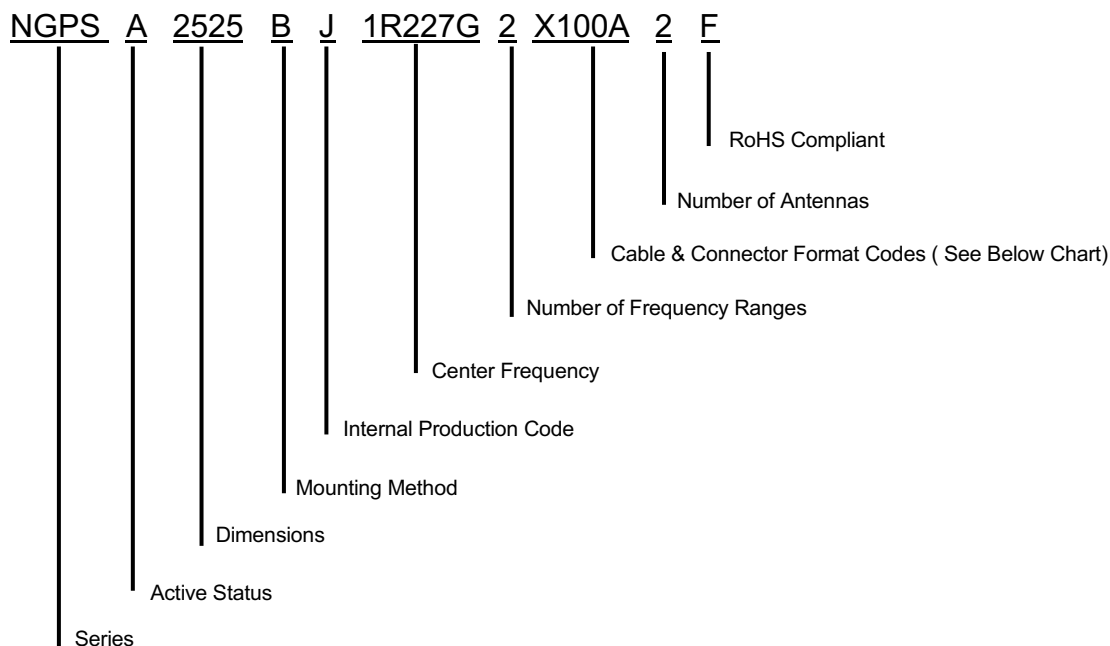
NGPSA2525BJ1R595G1X100A1F is an Active Patch Antenna designed for GPS applications. It operates within the frequency of 1575.42 ~ 1602 MHz making it perfect for use in tracking, and fleet management



### Features

- L1 & L2 GPS Active Patch Antenna
- High Accuracy
- Customizable Cables and Connectors
- RoHS Compliant

### Part number Breakdown



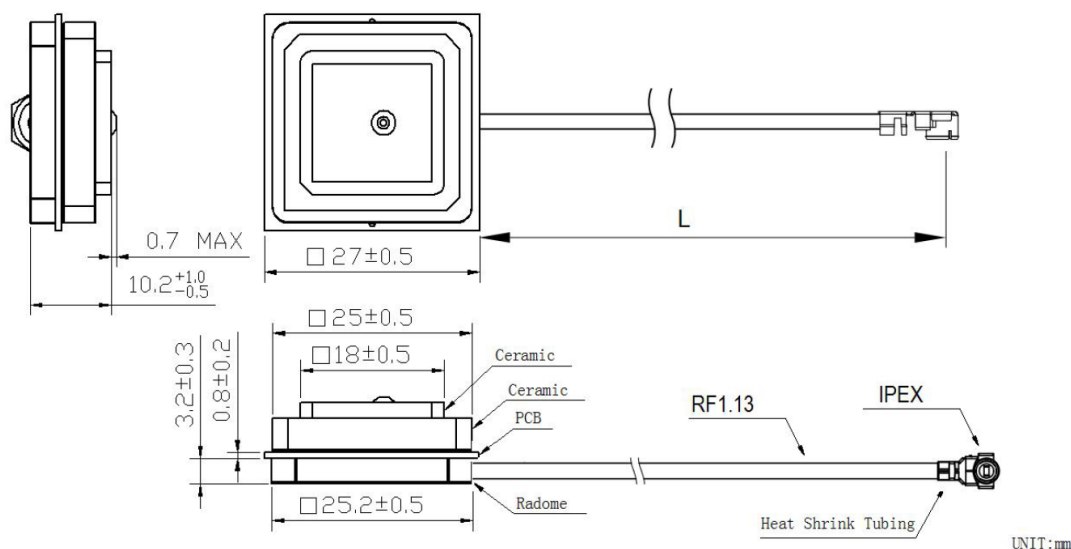
### Cable & Connector Format Codes

Connector	Cable Length	Cable Type
IPEX (X)	100 mm	RF1.13 (A)

### Specifications

Electrical		
Frequency Range	High Band: GPS-L1: 1575.42 MHz	Low Band: GPS-L2: 1227 MHz
VSWR	< 1.5	
Gain	2 dBic @ PCB (Zenith)	
Polarization	RHCP	
Impedance	50Ω	
LNA		
Gain	28 ± 2 dB	
VSWR	< 2.0	
Noise Figure	≤ 1.5 dB	
Supply Voltage	3 ~ 5V DC	
Current Consumption	< 45mA	
Environmental		
Operating Temperature	-40°C~+85°C	
Relative Humidity	Up to 95%	
Vibration	10 ~ 55Hz 1.5mm Amplitude 2 Hours	
PCB	27 mm x 27mm	
RoHS Compliant	Yes	

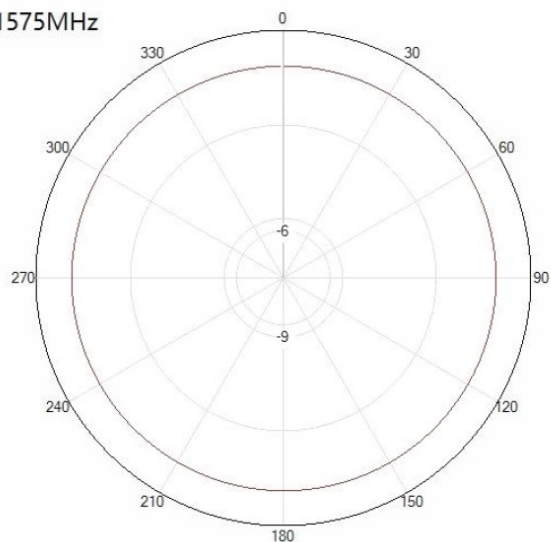
### Dimension Drawing



### Radiation Patterns

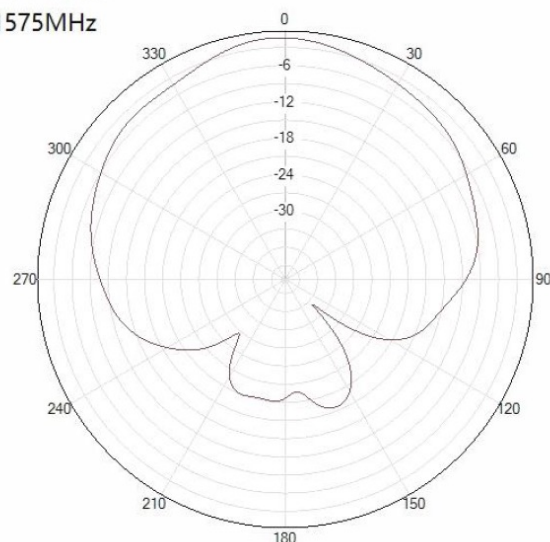
XY-PLANE

1575MHz



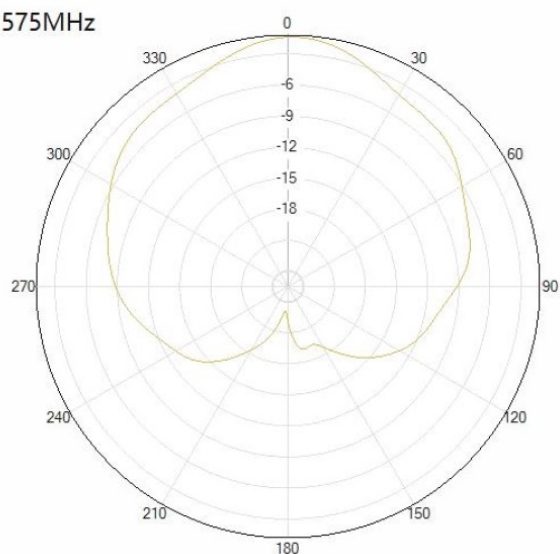
XZ-PLANE

1575MHz



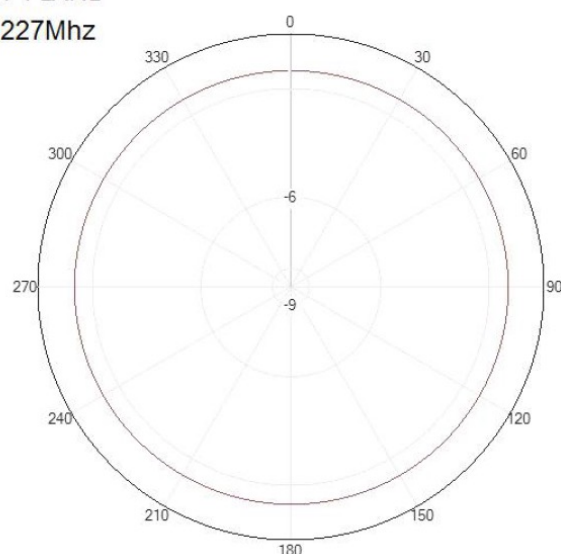
YZ-PLANE

1575MHz



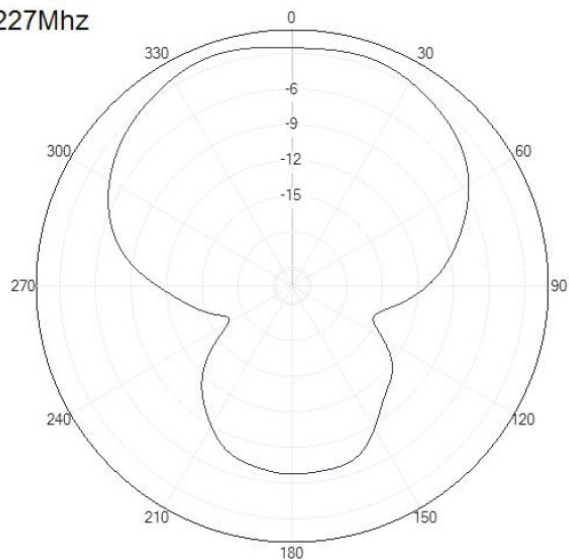
XY-PLANE

1227Mhz



### Radiation Patterns

XZ-PLANE  
1227Mhz



YZ-PLANE  
1227Mhz

