

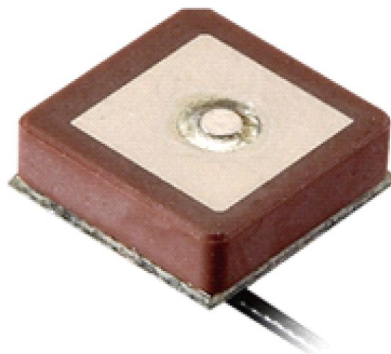
NGPSA1313BJ1R575G1X100A1F

GNSS Active Patch Antenna; GPS L1



Description

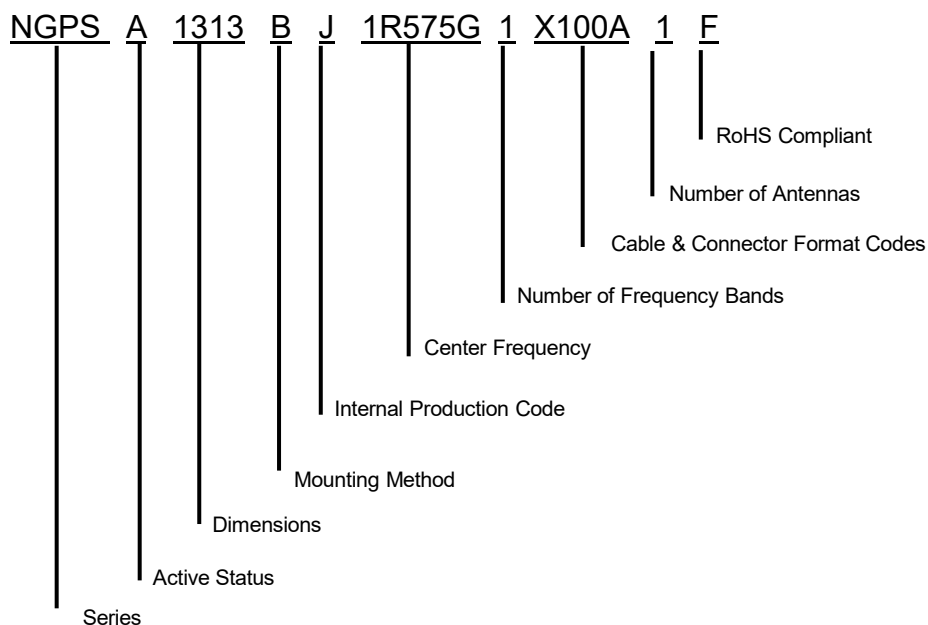
The NGPSA1313BJ1R575G1X100A1F is active (with LNA) ceramic patch antenna designed for GPS L1 applications. It operates at 1575 MHz making it perfect for tracking and fleet management devices



Features

- Active Patch Antenna
- GPS & GLONASS
- RoHS Compliant

Part Number Breakdown



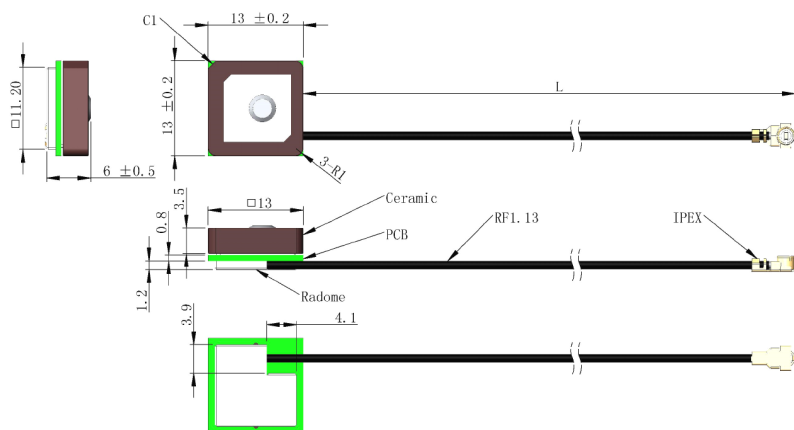
Cable & Connector Format Codes

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

Specifications

Electrical	
Frequency Range	1575.42 ± 3 MHz
Bandwidth	CF ± 5 MHz
VSWR	< 1.5
Gain @ Zenith	5 dBic
Axial Ratio	5 dB
Polarization	RHCP
Impedance	50Ω
LNA	
Gain	28 ± 2dB
Noise Figure	< 1.5
Ex-band Attenuation	30dB@CF±40MHz
Supply Voltage	3.3V DC
Current Consumption	9 mA
VSWR	< 2.0
Environmental	
Operating Temperature	-40°C~+85°C
Relative Humidity	Up to 75%
Vibration	10 ~ 55Hz 1.5mm Amplitude 2 Hours

Dimensions



UNIT: mm

Radiation Patterns

