

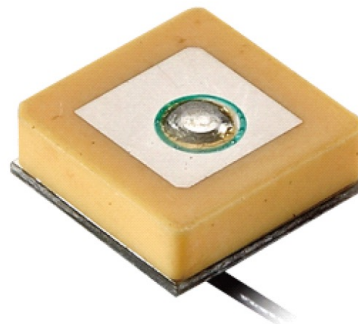
NGPSA1515BJ1R592G1X100A1F

GPS/GLONASS Active Patch Antenna



Description

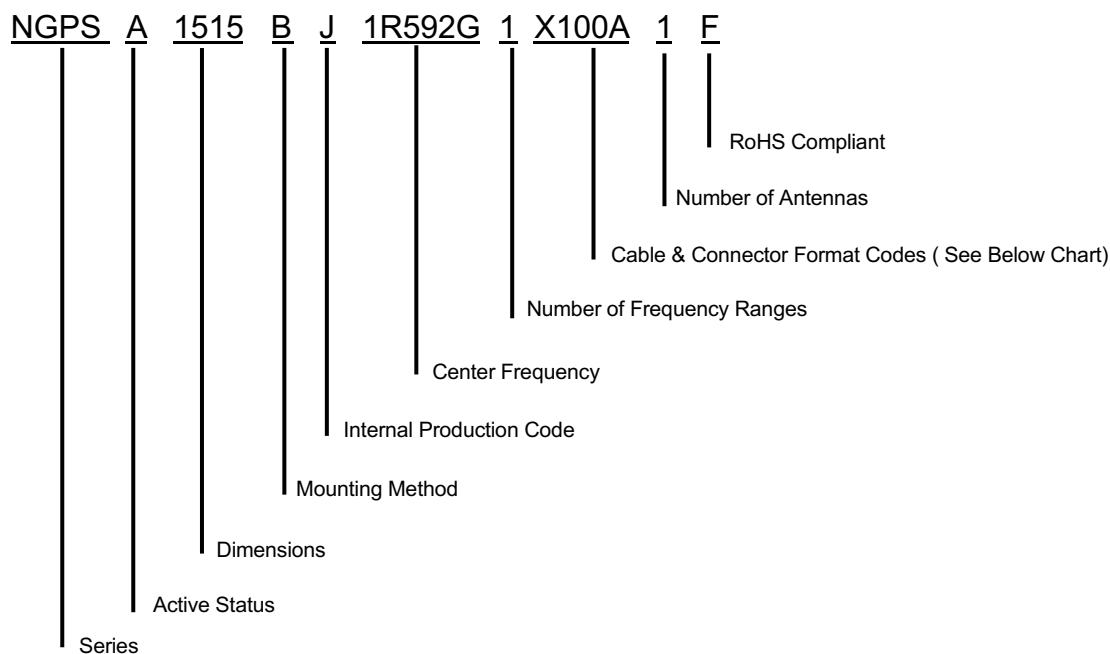
NGPSA1515BJ1R592G1X100A1F is an Active Patch Antenna designed for GPS applications. It operates within the frequency of 1592 MHz making it perfect for use in tracking, and fleet management



Features

- Active Patch Antenna
- GPS & GLONASS
- Customizable cables and connectors
- RoHS Compliant

Part number Breakdown



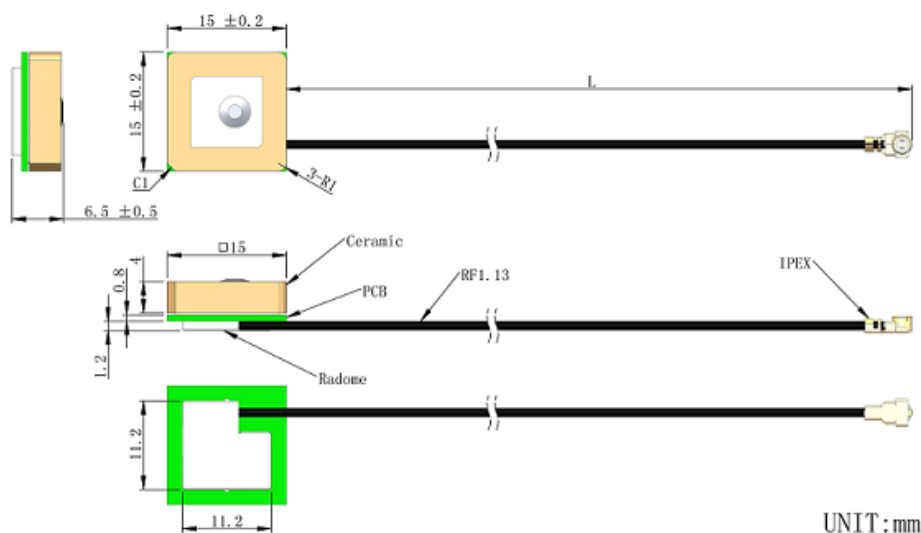
Cable & Connector Format Codes

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

Specifications

| Electrical | |
|-----------------------|-----------------------------------|
| Frequency Range | 1592 ± 3 MHz |
| Bandwidth | CF ± 5 MHz |
| VSWR | < 1.5 |
| Gain @ Zenith | 5 dBic |
| Axial Ratio | 5 dB |
| Polarization | RHCP |
| Impedance | 50Ω |
| LNA | |
| Gain | 22 ± 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 |
| RoHS Compliant | Yes |

Dimensions



Radiation Patterns

