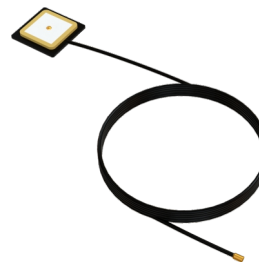


## GPS, GLONASS, Built-in navigation antenna

### Feature

- Various Frequency: GPS-L1, BDS-B1
- Various sizes: 12x12mm to 25x25mm
- High quality dielectric ceramics
- Excellent Radiation Pattern
- Application: Positioning, navigation, timing



### Electrical Specifications

| Part Number  | Size (mm) | Frequency (MHz)   | Antenna Gain (dB) | Axial Ratio (dB) | VSW R | Noise Figure (dB) | LNA Gain (dB) | Output Impedance (Ω) | Working Voltage (V) | Working Current (mA) |
|--------------|-----------|-------------------|-------------------|------------------|-------|-------------------|---------------|----------------------|---------------------|----------------------|
| WGPI2540P062 | 25X25X4   | GPS-L1            | 2.5               | 3                | 2.0:1 | 2.2               | 26            | 50                   | 3±0.5               | 11.5±1               |
| WGPI2520P062 | 25X25X2   | GPS-L1            | 1.5               | 3                | 2.0:1 | 2.2               | 26            | 50                   | 3±0.5               | 11.5±1               |
| WGPI2540P251 | 25X25X4   | GPS-L1            | 2.5               | 3                | 2.0:1 | 1.1               | 19            | 50                   | 3±0.5               | 4.5±1                |
| WGPI2540P272 | 25X25X4   | GPS-L1            | 2.5               | 3                | 2.0:1 | 1.2               | 30            | 50                   | 3±0.5               | 8.5±1                |
| WGPI2540P271 | 25X25X4   | GPS-L1            | 2.5               | 3                | 2.0:1 | 1.2               | 32            | 50                   | 3±0.5               | 8.5±1                |
| WGPI2520P271 | 25X25X2   | GPS-L1            | 1.5               | 3                | 2.0:1 | 1.2               | 32            | 50                   | 3±0.5               | 8.5±1                |
| WGPI2040P053 | 20X20X4   | GPS-L1            | 2.0               | 3                | 2.0:1 | 1.5               | 26            | 50                   | 3±0.3               | 10.0±1               |
| WGPI2020P053 | 20X20X2   | GPS-L1            | 1.0               | 3                | 2.0:1 | 1.5               | 26            | 50                   | 3±0.3               | 10.0±1               |
| WGPI1840P185 | 18X18X4   | GPS-L1            | 2.0               | 3                | 2.0:1 | 1.2               | 32            | 50                   | 3±0.5               | 8.5±1                |
| WGPI1820P185 | 18X18X2   | GPS-L1            | 1.0               | 3                | 2.0:1 | 1.2               | 32            | 50                   | 3±0.5               | 8.5±1                |
| WGPI1840P186 | 18X18X4   | GPS-L1            | 2.0               | 3                | 2.0:1 | 1.2               | 19            | 50                   | 3±0.5               | 4.2±1                |
| WGPI1540P045 | 15X15X4   | GPS-L1            | 1.5               | 3                | 2.0:1 | 1.5               | 16            | 50                   | 3±0.5               | 4.5±1                |
| WGPI1540P151 | 15X15X4   | GPS-L1            | 1.5               | 3                | 2.0:1 | 1.5               | 42            | 50                   | 3±0.5               | 8.5±1                |
| WGPI1540P152 | 15X15X4   | GPS-L1            | 1.5               | 3                | 2.0:1 | 1.2               | 22            | 50                   | 3±0.5               | 4.2±1                |
| WGBI2040P053 | 20X20X4   | GPS-L1/<br>BDS-B1 | 2.0               | 6                | 2.0:1 | 1.5               | 26            | 50                   | 3±0.3               | 10.0±1               |
| WGBI2020P053 | 20X20X2   | GPS-L1/<br>BDS-B1 | 1.0               | 6                | 2.0:1 | 1.5               | 26            | 50                   | 3±0.3               | 10.0±1               |
| WGBI1840P185 | 18X18X4   | GPS-L1/<br>BDS-B1 | 2.0               | 6                | 2.0:1 | 1.2               | 32            | 50                   | 3±0.5               | 8.5±1                |
| WGBI1820P185 | 18X18X2   | GPS-L1/<br>BDS-B1 | 1.0               | 6                | 2.0:1 | 1.2               | 32            | 50                   | 3±0.5               | 8.5±1                |
| WGBI1840P186 | 18X18X4   | GPS-L1/<br>BDS-B1 | 2.0               | 6                | 2.0:1 | 1.2               | 19            | 50                   | 3±0.5               | 4.2±1                |
| WGBI1540P045 | 15X15X4   | GPS-L1/<br>BDS-B1 | 1.5               | 6                | 2.0:1 | 1.5               | 16            | 50                   | 3±0.5               | 4.5±1                |
| WGBI1540P151 | 15X15X4   | GPS-L1/<br>BDS-B1 | 1.5               | 6                | 2.0:1 | 1.5               | 42            | 50                   | 3±0.5               | 8.5±1                |
| WBDI1540P152 | 15X15X4   | BDS-B1            | 1.5               | 3                | 2.0:1 | 1.2               | 22            | 50                   | 3±0.5               | 4.2±1                |
| WBDI1540P155 | 15X15X4   | BDS-B1            | 1.5               | 3                | 2.0:1 | 1.5               | 25            | 50                   | 3±0.5               | 8.5±1                |
| WBDI1520P152 | 15X15X2   | BDS-B1            | 0.5               | 3                | 2.0:1 | 1.2               | 22            | 50                   | 3±0.5               | 4.2±1                |
| WBDI1520P154 | 15X15X2   | GPS-L1/<br>BDS-B1 | 0.5               | 3                | 2.0:1 | 1.2               | 19            | 50                   | 3±0.5               | 4.2±1                |
| WBDI1340P033 | 13X13X4   | BDS-B1            | 0.5               | 3                | 2.0:1 | 1.5               | 16            | 50                   | 3±0.5               | 4.5±1                |
| WBDI1220P121 | 12X12X2   | BDS-B1            | 0.5               | 3                | 2.0:1 | 1.5               | 19            | 50                   | 3±0.5               | 4.2±1                |