

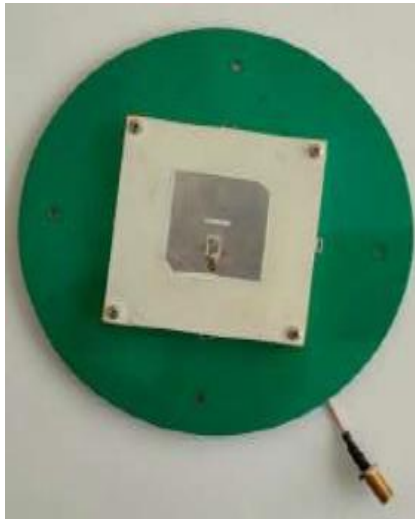


IRNSS /GPS Antenna L5/L2/L1 Band Model No. XT-GNSS-IGALBV2-22



Technical Specifications:

For more details contact
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Product Features:

- GNSS L band application
- Simultaneous multi-band Coverage
- High Gain and Good axial ratio
- Low back lobe level
- Compact Size

| | IRNSS L5/GPS L5/E5a/SBAS L5/QZSS L5 | GPS L2/E5b/B2b QZSS L2C | GPS L1/B1/E1/SBAS L1/QZSS L1 |
|---|--|-------------------------------|------------------------------------|
| Frequency | 1176.45 ± 20 MHz | 1227.6 ± 20 MHz | 1575.42 ± 40 MHz |
| Radiation pattern | Hemispherical | | |
| Polarization | RHCP | | |
| VSWR | ≤ 2:1 | | |
| Impedance | 50 Ohm | | |
| Antenna Gain(dBic) | | | |
| @90° | + 4 | + 4.2 | + 5.2 |
| @45° | + 0.5 | + 1.5 | + 1.7 |
| @15° | -3 | - 3 | - 1.4 |
| Beam-width (3dB) | 90° | 90° | 90° |
| Axial Ratio | 1.2 dB | 1.2 dB | 1.5 dB |
| Multipath Rejection (RHCP/LHCP) @90° | >20 dB | >20 dB | >20 dB |
| LNA Gain | >35 dB | >35 dB | >35 dB |
| Noise Figure | ≤ 2 dB | ≤ 2 dB | ≤ 2 dB |
| LNA DC power | 5V/ 90 mA | | |
| Out of band Rejection | >40 dB | | |
| Phase Centre | ± 2 mm | | |

Mechanical Specifications

- Dimensions (DxH) : 140 x 17 mm
- Weight : < 0.25 KG
- Connector : SMA (F) Compact Size
- Operating Temperature : -40° to 85°

Xtragen Technologies Private Limited

Enabling connectivity between Technology & People

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