



ALPHA DESIGN
TECHNOLOGIES PVT LTD

Dual Band Antenna IRNSS & GPS.

The antenna operates at L1 & L5 bands with high performance which is suitable for combined IRNSS and GPS signal reception.



Technical specifications

A. L1 Band Specification:

- Range of Receiving Frequency: 1565 to 1585 MHz
- VSWR: 1.5 max @ Centre Frequency
- Gain at Zenith: 3.5 dBi
- Polarization: RHCP
- Impedance: 50 Ohms
- LNA Gain: 28dB \pm 2dB
- Noise Figure: 2.0 dB

B. L5 Band Specification:

- Range of Receiving Frequency: 1164 to 1188 MHz
- VSWR: 1.8 max @ Centre Frequency
- Gain at Zenith: 2.5 dBi
- Polarization: RHCP
- Impedance: 50 Ohms
- LNA Gain: 28dB \pm 2dB
- Noise Figure: 2.0 dB

Mechanical specifications

- Dimension: 68mm X 38mm X 20mm
- Enclosure: IP67 ABS
- Weight: < 150 gms
- Operating Temperature: -30° C to +85° C
- LNA Gain: 28dB \pm 2dB
- Noise Figure: 2.0 dB

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