

GPS ANTENNAS



Antennas are an essential part of all wireless systems. OMC manufactures a variety of high quality antennas for GPS, GLONASS. The antennas include a Low Noise Amplifier to offer finely tuned operation in the harshest environments. The cost effective & robust design of OMC antennas provides a time-to-market best choices for AVL and timing applications.

| | FREQUENCY (MHz) | POLARIZATION | VSWR | Antenna TYP. GAIN (dBi) | LNA TYP. GAIN (dB) | Max. AR. (dB) |
|--|-------------------------|------------------------|--------|-------------------------------|--------------------------|------------------|
| Aviation L1 | 1575.42±5 | Right-hand circular | 1.5: 1 | 5 | 27/38 | 3 |
| Aviation L1 (Higher gain) | 1575.42±5 | Right-hand circular | 1.5: 1 | 5 | 48 | 3 |
| Aviation GPS/GLONASS | 1575.42±5/ 1602±10 | Right-hand circular | 1.5: 1 | 5 | 35 | 4 |
| Aviation GPS/GLONASS (Higher gain) | 1575.42±5/ 1602±10 | Right-hand circular | 1.5: 1 | 5 | 48 | 4 |
| Aviation L1/L2 | 1575.42±5/ 1227.6±10 | Right-hand circular | 2.0: 1 | N/A | L1:32/ L2:29 | 4 |
| Survey L1 | 1575.42±5 | Right-hand circular | 1.5: 1 | N/A | 30 | 3 |
| Survey L1/L2 | 1575.42±5/ 1227.6±10 | Right-hand circular | 2.0: 1 | N/A | L1:32/ L2:29 | 3 |
| Ground & Vehicular | 1575.42±5 | Right-hand circular | 1.5: 1 | N/A | 28±2 | N/A |