

Product: HELIX GNSS

Product Order Code:
BM-02840

Surface Mounted Antenna

GPS, GALILEO, QZSS, GLONASS

- SMT High Gain Active GNSS Antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.eu



Technical Data

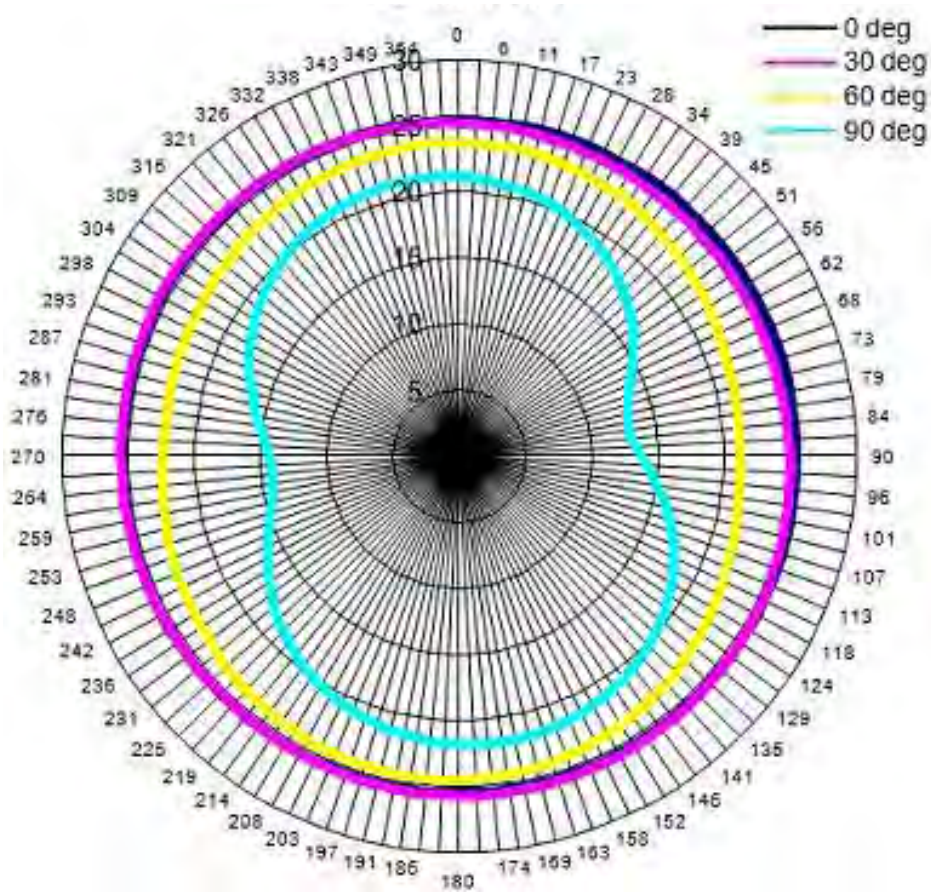
| | | |
|----------------------------------|--------------------------------|---|
| Dimensions | | 15.5mm (D) x 11.5mm (H) |
| Weight | | 1.5g |
| Construction Materials | | PC/ABS UL94 V0 UV Stable |
| Mounting Arrangement | | 0° |
| Temperature Range | | -40 – +85° C |
| Protection Class | | IP67 |
| Frequency Range | GPS, GALILEO, QZSS: GLONASS | 1575.42 MHz Centre Frequency Bandwidth - 90MHz |
| Impedance | | 50 Ohm |
| Polarisation | | RHCP |
| Radiation Pattern | | Hemispherical |
| Return loss (VSWR) | | <1.5:1 @ 1575.42MHz |
| Gain | | 1dB Typical |
| LNA Gain | | 28dB Typical |
| Operational Voltage | | 2.7v to 5v DC |
| Current Consumption | | 11mA Maximum |
| SAW Filter | | Pre-filter |
| Noise Figure | | 1.5dB @ 1575.42MHz (Typical) |
| Filtered Out of Band Attenuation | | 7dB Min f0 +/-20MHz / 30dB Min f0 50MHz |

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Radiating Patterns



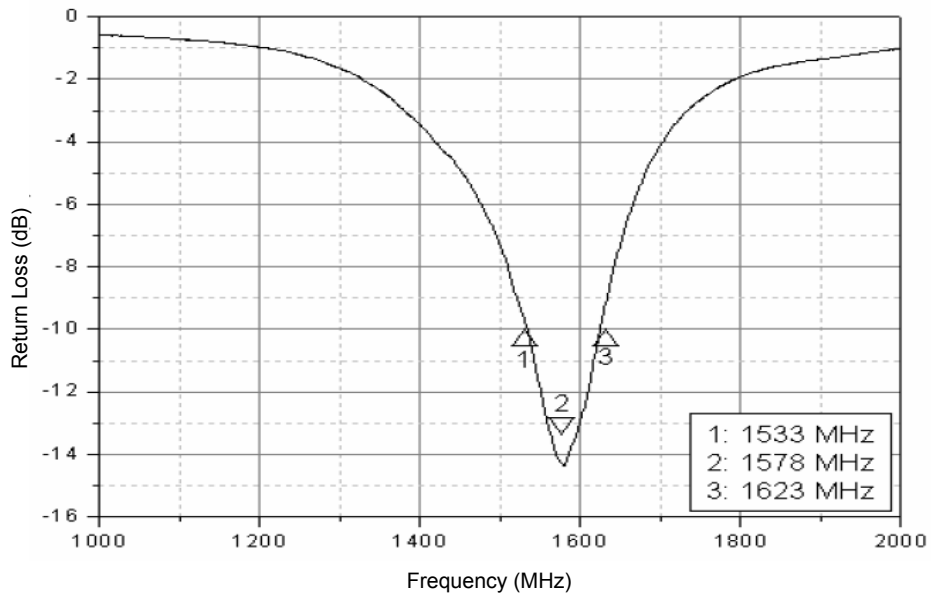
AZIMUTH PLOT @ 1575.42 MHZ

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Return Loss Data



CAD Data

