**Multiband GNSS antenna**

**Type: G5Ant**

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**Features:**

- Multiband antenna for GNSS
- Integrated Low-Noise-Amplifier (LNA)
- Runs ideal even under harsh environmental conditions
- Many options available
- Designed for MIL application

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**Description:**

The 5GAnt is a ruggedized receiving antenna for stationary and mobile applications designed for survey, industrial or military purposes. The total antenna gain is 33-35 (depending on frequency used). So signal receiving is possible even under harsh conditions. With our Low Loss HF cables it is possible to run the antenna also with longer cable. The antenna is available with many different options (see options). This antenna is available with an optional magnet mount with an SMA-connector on the side (see upper figure). A special teflon coating is available on request (see lower figure).
Multiband GNSS antenna
Type: G5Ant

Technical Data:

<table>
<thead>
<tr>
<th>Frequencies:</th>
<th>L5 GPS E5 Galileo L5 IRNSS</th>
<th>L2 GPS B2 Compass</th>
<th>L2 GLonass E5 Galileo B3 Compass</th>
<th>OmniSTAR/L-Band L6 Galileo B1 Compass</th>
<th>L1 GPS E1, E2 Galileo L1 IRNSS</th>
<th>L1 Glonass</th>
</tr>
</thead>
<tbody>
<tr>
<td>L5</td>
<td>1179 ± 12 MHz</td>
<td>1277 ± 12 MHz</td>
<td>1525 ± 7,5 MHz</td>
<td>1542 ± 14 MHz</td>
<td>1575 ± 15 MHz</td>
<td>1609 ± 7MHz</td>
</tr>
<tr>
<td>E5</td>
<td>1164 - 1219 MHz</td>
<td>1207 ± 10 MHz</td>
<td>1266 - 1290 MHz</td>
<td>1542 ± 5 MHz</td>
<td>1575 ± 17 MHz</td>
<td></td>
</tr>
<tr>
<td>L5 IRNSS</td>
<td>1176 ± 15 MHz</td>
<td></td>
<td>1268 ±10 MHz</td>
<td>1575 ± 12 MHz</td>
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<td></td>
</tr>
</tbody>
</table>

- Min. receive angle: 110°
- LNA Noise Figure: 3 dB
- LNA P1dB Out: 13 dBm (input power level at which the gain ratio decreased by 1 dB)
- Power Supply: 2.5 – 24 Volt DC (only active)
- Current consumption: 20 – 50 mA (3.3V = 30 mA, 5V = 35 mA) (only active)
- Impedance: 50 Ohm
- Material: Aluminium bound alloy // finish: Polyurethane enamal
- Weight: ca. 250 g
- Max. altitude: 21.300 m
- Max. acceleration: 30 g
- Environmental cond.: Hermetically sealed / skydrol resistant / flameretardant / abrasion-proof
- Operation temperature: -50 °C ~ +85 °C

Options:

part number structure:

e.g.: G5Ant-3AT-1 = 3 Inch Ø, active, TNC-f, off center, white

<table>
<thead>
<tr>
<th>Connector type:</th>
<th>TNC-f / SMA-f / N-f (-xTx-x / -xSx-x / -xNx-x)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector position:</td>
<td>centered (-XxR), off center (-xx), sideways (-Mx-x)</td>
</tr>
<tr>
<td>Colors:</td>
<td>white, olive, black (-xxxx-1 / -xxxx-3 / -xxxx-4)</td>
</tr>
<tr>
<td>Mounting options:</td>
<td>Antenna socket, pole mount (MTR2), magnet mount (-Mx-x)</td>
</tr>
<tr>
<td>Dimensions.</td>
<td>ca. 25 (H) x 89 (B) x 89 (T) mm</td>
</tr>
<tr>
<td>Lightning protection:</td>
<td>DC Grounding</td>
</tr>
</tbody>
</table>

Do you have any questions to this product? Contact us:

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