S52IR16RR-P-MX-X ANTENNA FAMILY
Helix Antenna for GNSS, Iridium and Inmarsat

The S52IR16RR-P-MX-X product family receives L1 GPS, L2 GPS, Inmarsat (Rx/Tx), L1 GLONASS and Iridium signals. The antenna has four mounting holes and a removable magnetic mount for easy installation onto rugged platforms for military and aerospace applications.

Antcom can customize this product family to meet your specific requirements. Please contact us for more information about customization options.

BENEFITS

• Single antenna covers multiple systems
• Many standard options available, and customizable if required

FEATURES

• Multi-band GPS, GLONASS, Iridium and Inmarsat support
• Connector options available
• Paint color options available

OPTIONS

COLOR
• Gloss White
• Lusterless Gray
• Olive Drab Green
• Lusterless Black
• Desert Tan

CONNECTOR
• S: SMA; B: BNC
• M: MCX; MM: MMCX
• N: N; NB: N-Bulkhead
• T, TNC; TB TNC-Bulkhead

*These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred or otherwise disposed of to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.*
**ELECTRICAL**

<table>
<thead>
<tr>
<th>Frequency Range:</th>
<th>L1 GPS</th>
<th>1575.42 ± 12 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L2 GPS</td>
<td>1227.60 ± 15 MHz</td>
</tr>
<tr>
<td>Rx INMARSAT</td>
<td>1542.50 ± 17.5 MHz</td>
<td></td>
</tr>
<tr>
<td>Tx INMARSAT</td>
<td>1642.50 ± 17.5 MHz</td>
<td></td>
</tr>
<tr>
<td>GLONASS</td>
<td>1602-1616 MHZ</td>
<td></td>
</tr>
<tr>
<td>IRIDIUM</td>
<td>1610 - 1626 MHz</td>
<td></td>
</tr>
<tr>
<td>VSWR</td>
<td>&lt;1.5:1</td>
<td></td>
</tr>
<tr>
<td>Impedance</td>
<td>50 ohms</td>
<td></td>
</tr>
<tr>
<td>Polarization</td>
<td>RHCP</td>
<td></td>
</tr>
</tbody>
</table>

**MECHANICAL & ENVIRONMENTAL**

Designed to:

<table>
<thead>
<tr>
<th>Weight</th>
<th>6.4 oz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>-55°C TO +85°C</td>
</tr>
<tr>
<td>Altitude</td>
<td>70,000 ft</td>
</tr>
<tr>
<td>Vibration</td>
<td>&gt; 30 Grms</td>
</tr>
</tbody>
</table>

**PART NUMBER DECODER**

S52IR16RR-P-MX-X

**Color (PER AMS-STD-595)**

1 = Gloss White #17925
2 = Lusterless Gray #36320
3O = Olive Drab Green #34088
4 = Lusterless Black #37038
5 = Desert Tan #33446

**Connector**

S = SMA
M = MCX; MM: MMCX
N = N; NB: N-Bulkhead
T = TNC; TB: TNC-Bulkhead