2501.17.0100 is a 4 port quadraplexer which allows combination and separation of the signals in 380-960 / 1710-1880 / 1920-2170 / 2500-2690 MHz wireless bands. To minimize band inter-reaction, the inputs have an isolation > 50dB and have minimal insertion loss < 0.3 dB over their respective frequency bands.

### Technical Data

#### Electrical Data

<table>
<thead>
<tr>
<th>Band</th>
<th>Frequency (MHz)</th>
<th>Insertion loss (dB)</th>
<th>Return loss (dB)</th>
<th>Group delay distortion</th>
<th>Group delay</th>
<th>Max. composite power</th>
<th>Peak envelope power</th>
<th>@ 2 x carrier power</th>
<th>Port Designation</th>
<th>Connector Type</th>
<th>Gender</th>
</tr>
</thead>
<tbody>
<tr>
<td>Band 1</td>
<td>0.38 - 0.96 GHz</td>
<td>0.3 dB</td>
<td>18 dB</td>
<td>5 ns</td>
<td>50 dB</td>
<td>700 W</td>
<td>1500 W</td>
<td>43 dBm</td>
<td>PORT 1</td>
<td>7/16 jack (female)</td>
<td>jack (female)</td>
</tr>
<tr>
<td>Band 2</td>
<td>1.71 - 1.88 GHz</td>
<td>0.3 dB</td>
<td>18 dB</td>
<td>20 ns</td>
<td>50 dB</td>
<td>300 W</td>
<td>1500 W</td>
<td>43 dBm</td>
<td>PORT 2</td>
<td>7/16 jack (female)</td>
<td>jack (female)</td>
</tr>
<tr>
<td>Band 3</td>
<td>1.92 - 2.17 GHz</td>
<td>0.3 dB</td>
<td>18 dB</td>
<td>20 ns</td>
<td>50 dB</td>
<td>200 W</td>
<td>1500 W</td>
<td>43 dBm</td>
<td>PORT 3</td>
<td>7/16 jack (female)</td>
<td>jack (female)</td>
</tr>
<tr>
<td>Band 4</td>
<td>2.5 - 2.69 GHz</td>
<td>0.3 dB</td>
<td>18 dB</td>
<td>20 ns</td>
<td>50 dB</td>
<td>200 W</td>
<td>1500 W</td>
<td>43 dBm</td>
<td>PORT 4</td>
<td>7/16 jack (female)</td>
<td>jack (female)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Port Designation</th>
<th>Connector</th>
<th>Gender</th>
</tr>
</thead>
<tbody>
<tr>
<td>PORT 5</td>
<td>7/16</td>
<td>jack (female)</td>
</tr>
</tbody>
</table>

Typical intermodulation values -160dBc

DC/AISG bypass

#### Mechanical Data

- **Width**: 223 mm
- **Height**: 232 mm
- **Depth**: 50 mm
- **Weight**: 4.6 kg

Dimensions without bracket and connectors (see drawing)

#### Environmental Data

- **Environmental conditions**: indoor/outdoor
- **Operation temperature**: -40 °C to 65 °C
- **Storage temperature**: -40 °C to 65 °C
- **Transport temperature**: -40 °C to 65 °C
- **IP rating**: IP67
- **2011/65/EU (RoHS - including 2015/863 and 2017/2102)**: compliant
- **1907/2006/EC (REACH)**: compliant
Data Sheet

380-960 / 1710-1880 / 1920-2170 / 2500-2690 MHz
2501.41.0100

Material Data
Housing Material: Aluminium
Surface treatment: Black Paint

Related Documents
Outline drawing: DOU-00319165
3D-model (Step): DOC-0000735150

Huber+Suhner is certified according to ISO 9001, ISO 14001, AS/EN9100, ISO/TS 16949 and IRIS.

Waiver: Fact and figures herein are for information only and do not represent any warranty of any kind.