Reactel, Incorporated’s 5.8 GHz diplexers are specifically designed for point-to-point and wireless radio systems. These robust units can be tuned for operation at any points along the popular 5.7 to 5.9 GHz band. The data shown below is just an example of the many diplexers we have provided in this band. Please contact us with your specific requirement, so that we can provide a unit unique to your needs.

### Electrical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 1 Center Frequency</td>
<td>5738 MHz</td>
</tr>
<tr>
<td>CH 2 Center Frequency</td>
<td>5798 MHz</td>
</tr>
<tr>
<td>1 dB Passband</td>
<td>22.5 MHz, minimum</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>≤ 2 dB @ CF</td>
</tr>
<tr>
<td></td>
<td>≤ 2.5 dB @ Passbands</td>
</tr>
<tr>
<td>Return Loss</td>
<td>≥ 15 dB @ Passbands</td>
</tr>
<tr>
<td>Attenuation</td>
<td>≥ 95 dB @ CF’s ± 65 MHz</td>
</tr>
<tr>
<td></td>
<td>≥ 85 dB @ CF’s ± 48 MHz</td>
</tr>
<tr>
<td>Channel-to-Channel Isolation</td>
<td>≥ 95 dB</td>
</tr>
<tr>
<td>Connectors</td>
<td>SMA Male in / SMA Female out</td>
</tr>
<tr>
<td>Size</td>
<td>0.67” x 3.5” x 4.5” nominal</td>
</tr>
</tbody>
</table>