# Triple Balanced Mixer

## U22V

### Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF Frequency</td>
<td>2 to 18 GHz</td>
</tr>
<tr>
<td>LO Frequency</td>
<td>2 to 18 GHz</td>
</tr>
<tr>
<td>LO Power</td>
<td>16 dBm typ</td>
</tr>
<tr>
<td>Conversion Loss</td>
<td>6.8 dB typ, 8.5 dB max</td>
</tr>
<tr>
<td>IF Frequency</td>
<td>1.5 to 8 GHz</td>
</tr>
<tr>
<td>LO to RF Isolation</td>
<td>16 dB min, 28 dB typ</td>
</tr>
<tr>
<td>LO to IF Isolation</td>
<td>16 dB min, 26 dB typ</td>
</tr>
<tr>
<td>IP3 In</td>
<td>19 dBm typ</td>
</tr>
<tr>
<td>P1dB In</td>
<td>10 dBm typ</td>
</tr>
<tr>
<td>Operating Temp</td>
<td>-55 °C to 100 °C</td>
</tr>
</tbody>
</table>

### Package Styles

All dimensions are in inches

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**Need More Help? Need a Variant of This Product?**

Contact Mercury’s RF & Microwave engineering team at rf.microwave@mrcy.com or visit www.mrcy.com/RF for a detailed listing of RF and Microwave products.

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- 50 Minuteman Road
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- www.mrcy.com

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