Voltage Controlled Oscillator
MW500-1675F

Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>4400 MHz to 5850 MHz</td>
</tr>
<tr>
<td>Tuning Voltage</td>
<td>0.5/10 V</td>
</tr>
<tr>
<td>Power Output</td>
<td>3.5 +/- 3 dBm</td>
</tr>
<tr>
<td>Phase Noise</td>
<td>10 kHz Offset -80 (typ) dBc/Hz, 100 kHz Offset -102 (typ) dBc/Hz</td>
</tr>
<tr>
<td>Frequency Pushing</td>
<td>10 MHz/V</td>
</tr>
<tr>
<td>Frequency Pulling</td>
<td>20 MHz</td>
</tr>
<tr>
<td>Harmonic Suppression</td>
<td>-10 (MAX)</td>
</tr>
<tr>
<td>Supply Voltage</td>
<td>10 Vcc</td>
</tr>
<tr>
<td>Supply Current</td>
<td>40 mA</td>
</tr>
<tr>
<td>Load Impedance</td>
<td>50</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40 to 85 °C</td>
</tr>
</tbody>
</table>

Outline Drawing

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.