**Parameter** | **Min** | **Typ** | **Max** | **Units** | **Remarks**
--- | --- | --- | --- | --- | ---
**Frequency Range** <br>(MHz) | | | | | 
500 MHz | 500 | 1000 | MHz | X | 
**Tuning Voltage:** | | | | | 
500 MHz | 1 | 1.8 | Vdc | X | 
1000 MHz | 17.1 | 20 | Vdc | X | 
**Tuning Sensitivity:** | | | | | 
500 MHz | 24 | 31.3 | 39 | MHz/V | X | 
625 MHz | 23 | 30.6 | 38 | MHz/V | X | 
750 MHz | 34 | 45.6 | 57 | MHz/V | X | 
875 MHz | 28 | 37.2 | 47 | MHz/V | X | 
1000 MHz | 13 | 17.8 | 22 | MHz/V | X | 
**Output Power:** | | | | | 
10 | 13.5 | 16 | dBm | X | 
**Output Phase Noise:** | | | | | 
10 kHz | -92 | -86 | dBc/Hz | X | 
100 kHz | -117 | -111 | dBc/Hz | X | 
1000 kHz | -140 | -134 | dBc/Hz | X | 
**Power Supply:** | | | | | 
14.75 | 15 | 15.25 | Volts | X | 
**Supply Current:** | | | | | 
15.4 | 18 | mA | X | 
**Harmonic Suppression:** | | | | | 
2nd Harmonic | -13 | -10 | dBc | X | 
3rd Harmonic | -13 | -10 | dBc | X | 
**Spurious (Non-Harmonic):** | | | | | 
- | -80 | dBc | | | 
**Frequency Pushing:** | 14.75-15.25V | | | | 
10 | 14 | MHz p-p | | | 
**Frequency Pulling:** | 20 dB RL | | | | 
12 | 20 | MHz p-p | | | 
**Output Impedance:** | | | | | 
50 | | Ω | | | 
**Modulation:** | | | | | 
Bandwidth | 15000 | 20000 | kHz | | 
Input Impedance | 0.05 | | kΩ | | 

**Package Information**

<table>
<thead>
<tr>
<th>Package Type:</th>
<th>TO-8 (Cir)</th>
<th>Drawing Number:</th>
<th>A8678</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions:</td>
<td>0.504 x 0.504 x 0.27 inches</td>
<td>Drawing Revision:</td>
<td>P</td>
</tr>
</tbody>
</table>

**Comments**

X Indicates parameter to be tested 100% in production

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