VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DCMO80210-5

WIDE BANDWIDTH

800 - 2100 MHz

FEATURES:
► Exceptional Phase Noise Performance
► Small Size, Surface Mount
► Lead Free Patented REL-PRO® Technology

SPECIFICATIONS (Rev. B 07/03/07)

Frequency 800 - 2100 MHz
Tuning Voltage (Full Band) See table below.
Bias Voltage +5 VDC @ 35 mA (Max.)
Output Power +5 dBm (Min.)
Tuning Sensitivity 35 - 95 MHz/V (Typ.)
Output Impedance 50 Ohms (Nom.)
Harmonic Suppression 10 dB (Typ.)
Frequency Pulling 5 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing 4 MHz/V (Typ.)
Phase Noise @ 10 kHz -96 dBc/Hz (Typ.)
Operating Temperature Range -40 to +85 °C

Guaranteed Tuning Specifications

<table>
<thead>
<tr>
<th>Tuning Voltage (V)</th>
<th>Frequency (MHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td>800 (Max)</td>
</tr>
<tr>
<td>5</td>
<td>900 (Min)</td>
</tr>
<tr>
<td>8</td>
<td>1150 (Min)</td>
</tr>
<tr>
<td>12</td>
<td>1450 (Min)</td>
</tr>
<tr>
<td>15</td>
<td>1700 (Min)</td>
</tr>
<tr>
<td>18</td>
<td>1850 (Min)</td>
</tr>
<tr>
<td>24</td>
<td>2100 (Min)</td>
</tr>
</tbody>
</table>

Phase Noise

800 - 2100 MHz

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SURFACE MOUNT MODEL: DCMO80210-5

WIDE BANDWIDTH

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PERFORMANCE PLOTS

Control Voltage (Vdc)

Tuning Sensitivity (MHz/V)

+25°C  +85°C  -40°C

2nd Harmonic Suppression (dB)

+25°C  +85°C  -40°C