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

SPECIFICATIONS

**Frequency**
2234 - 2400 MHz

**Tuning Voltage**
See table below.

**Bias Voltage**
+8 VDC @ 24 mA (Max.)

**Output Power**
+4 dBm (Min.)

**Tuning Sensitivity**
13 - 22 MHz/V (Typ.)

**Output Impedance**
50 Ohms (Nom.)

**Harmonic Suppression**
23 dB (Typ.)

**Frequency Pulling**
3 MHz (Typ. @ 1.75:1 VSWR)

**Frequency Pushing**
0.5 MHz/V (Typ.)

**Tuning Port Capacitance**
40 pF (Typ.)

**Phase Noise @ 10 kHz**
-110 dBc/Hz (Typ.)

**Operating Temperature Range**
-40 to +85 ºC

Guaranteed Tuning Specifications

<table>
<thead>
<tr>
<th>Tuning Voltage (V)</th>
<th>Frequency (MHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td>2234 (Max.)</td>
</tr>
<tr>
<td>4.5</td>
<td>2282 (Min.)</td>
</tr>
<tr>
<td>8</td>
<td>2310 (Min.)</td>
</tr>
<tr>
<td>12</td>
<td>2360 (Min.)</td>
</tr>
<tr>
<td>15</td>
<td>2400 (Min.)</td>
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</tbody>
</table>

Absolute Maximum Ratings

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Storage Temp. Range</td>
<td>-55 to +125 ºC</td>
</tr>
<tr>
<td>Bias Voltage</td>
<td>+8.5 V</td>
</tr>
<tr>
<td>Tuning Voltage</td>
<td>+18 V</td>
</tr>
<tr>
<td>DC Voltage Applied to RF Out</td>
<td>±25 V</td>
</tr>
</tbody>
</table>

This product is manufactured under one or more of the following patents. Approved: 5,160,810; 5,122,621; 5,390,349; 5,416,449; 5,650,754; 5,805,431; 6,525,623; 6,850,575; 7,088,189; 7,180,381; 7,196,591; 7,262,670; 7,265,642; 7,292,113; 7,365,612; 7,495,525; 2,548,311; 2,548,317; 7,545,229; 2,563,174; 7,580,693; 7,612,296; 2,524,751

ARGIN TECHNOLOGY
VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DCRO223228-8

OPTIMIZED BANDWIDTH 2234 - 2400 MHz

PERFORMANCE PLOTS
VOLTAGE CONTROLLED OSCILLATOR
SURFACE MOUNT MODEL: DCRO223228-8
OPTIMIZED BANDWIDTH
2234 - 2400 MHz