HIGH STABILITY MINIATURE OCXO MV291

Features:
- Small package: 1”x1”x0.5” (25x25x12.7 mm)
- High stability vs. temperature: up to ±1x10⁻⁸/year
- Long term stability: up to ±2x10⁻⁹/year
- Available as RoHS
- Frequency range: 10.0 – 20.0 MHz

ORDERING GUIDE: MV291-₃ F-12V-SIN-10.0 MHz-LN-7E-13

Power supply | Output
--- | ---
12V | SIN
5V | HCMOS

Standard frequencies

<table>
<thead>
<tr>
<th>Frequency range</th>
<th>10.0 MHz</th>
<th>12.8 MHz</th>
<th>13.0 MHz</th>
<th>16.384 MHz</th>
<th>20.0 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 MHz</td>
<td>&lt;95</td>
<td>&lt;100</td>
<td>&lt;108</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 Hz</td>
<td>&lt;125</td>
<td>&lt;130</td>
<td>&lt;138</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1000 Hz</td>
<td>&lt;145</td>
<td>&lt;150</td>
<td>&lt;150</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10000 Hz</td>
<td>&lt;150</td>
<td>&lt;155</td>
<td>&lt;155</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Phase noise, dBc/Hz, for 10MHz, SIN

<table>
<thead>
<tr>
<th>Frequency</th>
<th>1 Hz</th>
<th>10 Hz</th>
<th>100 Hz</th>
<th>1000 Hz</th>
<th>10000 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>100kHz, SIN</td>
<td>&lt;40</td>
<td>&lt;200</td>
<td>&lt;600</td>
<td>&lt;1000</td>
<td>&lt;2000</td>
</tr>
</tbody>
</table>

Additional notes:
- Please consult factory for daily aging values. Normally typical correspondence of daily to aging per year is as following:
  ±1x10⁻⁷/year – ±1x10⁻⁸/day; ±5x10⁻⁹/year – ±5x10⁻¹⁰/day; ±3x10⁻⁹/year – ±3x10⁻¹⁰/day
- Please mention RoHS requirement (if any) while requesting for quote or while placing PO.
- For non standard operating temperature ranges please use the following two letters designations (first letter for the lower limit, second letter for the upper limit), °C:
  A – available; C – consult factory

For other temperature ranges see designation at the end of Data Sheet.

A – available, NA – not available, C – consult factory

Due to continuous development and improvement Morion, Inc. reserves the right to modify design or specifications of its products without prior notice