ULTRA PRECISION ULTRA SHORT-TERM STABILITY AND LOW PHASE NOISE DOCXO MV336

Features:
- Standard frequencies: 5.0 MHz and 10.0 MHz
- Short term stability (Allan deviation): up to $1.5 \times 10^{-13}$ per 1 sec
- Stability vs. temperature: up to $\pm 2 \times 10^{-11}$
- High long-term stability: up to $\pm 1 \times 10^{-9} \text{/year}$
- Ultra low phase noise level close to the carrier
- Power supply: 12 V
- Available as RoHS
- Analog, digital or no frequency control

ORDERING GUIDE: MV336–B 003 D–10.0MHz–ULN–A–1S/2E–13–10S/3E–13–100S/4.5E–13

Vibrations:
- Frequency range: 10–200 Hz
- Acceleration: 5 g
- Shock: 75 g/3±1 ms
- Humidity @ 25°C: 95%
- Storage temperature range: -55…+85°C

Additional notes:
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

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<table>
<thead>
<tr>
<th>Pin</th>
<th>Function</th>
<th>Analog frequency adjustment</th>
<th>Digital frequency adjustment</th>
<th>No frequency adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Output signal SMA</td>
<td>Output signal SMA</td>
<td>Output signal SMA</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Ground (case)</td>
<td>Ground (case)</td>
<td>Ground (case)</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Control voltage input</td>
<td>DAC*</td>
<td>NC</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Ground for control voltage input</td>
<td>SCLK</td>
<td>NC</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>NC</td>
<td>DIN</td>
<td>NC</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>NC</td>
<td>CS*</td>
<td>NC</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Power supply</td>
<td>Power supply</td>
<td>Power supply</td>
<td></td>
</tr>
</tbody>
</table>

* Pins pulled up to 5 V through 10 kOhm

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

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MORION, Inc.
Tel: +7-812-350-9243; 332-502. Fax: +7-812-350-7290. e-mail: sale@morion.com.ru

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