ULTRA-LOW NOISY DUAL FREQUENCY OCXO MV359

Features:
- Output frequencies: 10.0 MHz and 100.0 MHz
- Frequency stability: up to ±1E-9
- Operating temperature range: -40…+80°C
- Aging: up to <±1E-8/year
- Output signal: SIN
- Power supply: 12 V
- Short term stability ADEV: <1E-12 at 1 s

ORDERING GUIDE: MV359–B 3 F–100.0 MHz

<table>
<thead>
<tr>
<th>Availability of certain stability vs. operating temperature range</th>
<th>±5x10^-10</th>
<th>±3x10^-9</th>
<th>±2x10^-8</th>
<th>±1x10^-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 0…+50°C</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>B -10…+60°C</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>C</td>
</tr>
<tr>
<td>C -20…+70°C</td>
<td>+</td>
<td>+</td>
<td>C</td>
<td>C</td>
</tr>
<tr>
<td>D -40…+70°C</td>
<td>+</td>
<td>+</td>
<td>C</td>
<td>C</td>
</tr>
<tr>
<td>EW -40…+80°C</td>
<td>C</td>
<td>C</td>
<td>C</td>
<td>C</td>
</tr>
</tbody>
</table>

* C – consult factory

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:

- Frequency stability vs. load changes: <±5x10^-10
- Frequency stability vs. power supply changes: <±5x10^-10
- Warm-up time within accuracy of <±1x10^-7 @ 25°C: <3 min
- Power supply (U_s): 12V±5%
- Steady state current consumption @ 25°C: <320 mA
- Peak current consumption during warm-up: <750 mA
- Frequency pulling range (Positive slope) with external control voltage range (U_in): >±4x10^-7

Output levels:
- Level for 10MHz: >4 dBm
- Level for 100 MHz: >8 dBm
- Load: 50 Ohm±5%
- Harmonics: <30 dBc
- Vibrations: 10-200 Hz, 3g
- Shock: 75g/321ms
- Storage temperature range: -55…+85°C
- Package size: 67x44x18 mm

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 | B | C | D | E | F | G | H | J | K | L | M | N | P | Q | R | S | T | U | W | X |
| -60 | -55 | -50 | -45 | -40 | -30 | -20 | -10 | 0 | +10 | +30 | +40 | +45 | +50 | +55 | +60 | +65 | +70 | +75 | +80 | +85 |

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

Revision 2. May 2020