DOUBLE OVEN ULTRA PRECISION OCXO MV89

Features:
- Frequency range 4.096 - 10.0 MHz
- Very high stability vs. temperature - up to $\pm 5 \times 10^{-11}$
- Very low aging - up to $\pm 5 \times 10^{-9}$/year
- Not sensitive for rapid changes of ambient temperature
- Ideal for GPS, CDMA, 3G applications

**ORDERING GUIDE: MV89 – B 01 E – 10.0 MHz**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
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<th>D</th>
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<tbody>
<tr>
<td>0°...+55°C</td>
<td>-10°...+60°C</td>
<td>-20°...+70°C</td>
<td>-40°...+70°C</td>
<td>±3x10^{-10}</td>
<td>±2x10^{-10}</td>
<td>±1x10^{-10}</td>
<td>±5x10^{-11}</td>
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A – available, NA – not available, C – consult factory

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

**Package drawing:**

Mechanical characteristics:
- Vibrations: 1-500 Hz
- Shock: 150 g
- Storage temperature range: -55°...+80°C

**Available of data sheet for certain operating temperature range**

<table>
<thead>
<tr>
<th>A</th>
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<tbody>
<tr>
<td>03</td>
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**Additional notes:**
- Showed values of frequency stability vs. temperature usually are tested in Still Air test conditions. Please inform factory about different conditions in operation to provide appropriate tests.
- Please consult factory for daily aging values. Normally typical correspondence of daily aging per day to aging per year is as following: ±5x10^{-7}/year - ±5x10^{-10}/day; ±3x10^{-7}/year - ±3x10^{-10}/day; ±2x10^{-7}/year - ±2x10^{-10}/day; ±1x10^{-7}/year - ±1x10^{-10}/day.
- 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 | V | 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 reserves the right to modify design or specifications of its products without prior notice**

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