PRECISION LOW PHASE NOISE OCXO MV341

Features:
- Standard frequency: 5.0 and 10.0 MHz
- Ultra low phase noise level close to the carrier
- Short term stability (Allan deviation) per 1 sec: up to 1.5x10⁻¹²
- Package size: 50.8x50.8x16 mm
- High stability vs. temperature: up to ±1x10⁻⁴
- High long term stability: up to ±1x10⁻⁶/year
- Power supply: 12 V
- Available as RoHS

ORDERING GUIDE: MV341–C 2 D–10.0M–LN–5E–13

Availability of certain stability vs. operating temperature range (10 MHz)

<table>
<thead>
<tr>
<th>A</th>
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<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
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<th>K</th>
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<tbody>
<tr>
<td>A</td>
<td>0...+55°C</td>
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<td>B</td>
<td>-10...+60°C</td>
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<td>C</td>
<td>-20...+70°C</td>
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<td>D</td>
<td>-40...+70°C</td>
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<td>E</td>
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<td>-40...+80°C</td>
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A – available, C – consult factory

Package drawing:

- GND
- RF
- Us
- Uref
- Uin

Pin OCXO's Pins Destinations

- GND: Ground (case)
- RF: RF output
- Us: Power supply
- Uref: Reference voltage output
- Uin: Control voltage input

Vibrations:
- Frequency range: 10–500 Hz
- Acceleration: 5 g
- Shock: 75 g/ 3s/ 1 ms
- Humidity: 98%
- 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 | 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

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