Typical Performance Specifications

### Electrical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value 1</th>
<th>Value 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>10 MHz</td>
<td></td>
</tr>
<tr>
<td>Stability (-20°C to +70°C)</td>
<td>+/- 5.10^-9</td>
<td></td>
</tr>
<tr>
<td>Short term stability (Allan variance)</td>
<td>+/- 5.10^-12</td>
<td>1s 10s</td>
</tr>
<tr>
<td>Aging</td>
<td>+/- 5.10^-8</td>
<td>/an</td>
</tr>
<tr>
<td>Pulling</td>
<td>+/- 5.10^-10</td>
<td></td>
</tr>
<tr>
<td>Pushing</td>
<td>+/- 5.10^-10</td>
<td></td>
</tr>
<tr>
<td>Output Power</td>
<td>3 dBm</td>
<td></td>
</tr>
</tbody>
</table>

#### Phase Noise

- Phase Noise@10Hz: -120 dBc/Hz
- Phase Noise@100Hz: -140 dBc/Hz
- Phase Noise@1KHz: -145 dBc/Hz
- Phase Noise@10KHz: -150 dBc/Hz

#### Harmonics

- Harmonics: -30 dBc

#### Spurious

- Spurious: -70 dBc

#### RF output

- RF output: Sine wave

#### Warm-up time

- Warm up time (+/-1.10^-7 @25°C): 2 min

#### Frequency tuning (mechanical)

- Frequency tuning: >+/-.5.10^-7

#### Supply Voltage

- Voltage: 12 +/- 0.5 V
- Typical warm up current: 600 mA
- Typical steady state current: 200 mA

### Mechanical specifications

- Size (MEC041B): 67 x 57 x 20 mm
- Connector: SMA femelle

### Environment

- Operating temperature: -20 à +70 °C
- Storing temperature: -40 à +80 °C

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**10 MHz OCXO Reference**

- High stability
- Low phase noise

**Option**

- TTL or CMOS output available
Outline drawing

DISCLAIMER:
Different technical specifications are possible upon request, AMG reserves the right to make modifications to the design and characteristic of the product at any times and without prior notice.