Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacitance ( C_{\text{max}} ) (nominal)</td>
<td>1000 pF</td>
</tr>
<tr>
<td>Capacitance ( C_{\text{min}} ) (nominal)</td>
<td>100 pF</td>
</tr>
<tr>
<td>Voltage (Peak Test ( U_{\text{pt}} ) / Peak Working ( U_{\text{pw}} ))</td>
<td>15 kV / 9 kV</td>
</tr>
<tr>
<td>Capacitance Tolerance (linear Range)</td>
<td>10%</td>
</tr>
<tr>
<td>Max. Current ( I_{\text{max}} ) at 13.56 MHz with Conduction Cooling</td>
<td>133 Arms</td>
</tr>
<tr>
<td>Conduction Cooling</td>
<td>30 W</td>
</tr>
<tr>
<td>Self Inductance</td>
<td>( \leq 9 ) nH</td>
</tr>
<tr>
<td>Capacitance per turn</td>
<td>64.7 pF/turn</td>
</tr>
<tr>
<td>Torque</td>
<td>( \leq 0.6 ) Nm</td>
</tr>
<tr>
<td>Net Weight</td>
<td>2.4 kg</td>
</tr>
</tbody>
</table>

Imax at 25°C ambient and 125°C surface temp. for convection and conduction (30 W) cooling

Subject to change without prior notice

Note: Technical information in Service Bulletin

SB-52 must be considered

Issue: 20-Feb-2018

Replaces: 11-May-2006
Subject to change without prior notice

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Replaces: 11-May-2006

### Data-Sheet - Variable Vacuum Capacitor - Maxi-Con Series

**CVMX-1000AC/15-BEKA**

Old Type Designation: CV1C-1000VT

- **Nominal Capacitance [pF]**
  - 0.0: 100.0, 0%
  - 4.0: 356.6, 10%
  - 8.0: 616.1, 10%
  - 12.0: 877.0, 10%
  - 13.9: 1000.0, 10%

**Mechanical stop**
- at < 100 pF at ~ -0.6 turns
- at > 1000 pF at ~ 14.2 turns

---

**Tolerance**

<table>
<thead>
<tr>
<th>Turns</th>
<th>Nominal Capacitance [pF]</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>100.0</td>
<td>0%</td>
</tr>
<tr>
<td>4.0</td>
<td>356.6</td>
<td>10%</td>
</tr>
<tr>
<td>8.0</td>
<td>616.1</td>
<td>10%</td>
</tr>
<tr>
<td>12.0</td>
<td>877.0</td>
<td>10%</td>
</tr>
<tr>
<td>13.9</td>
<td>1000.0</td>
<td>10%</td>
</tr>
</tbody>
</table>

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**Self inductance and resonance frequency**

- **L [mH]**
- **f [MHz]**

---

**Tan delta**

- **ESR [mΩ]**
- **EPR [MHz]**

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**Frequency [MHz]**

- **Capacitance [pF]**

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**Frequency [MHz]**

- **tan δ**

---

**Capacitance [pF]**

- **Self inductance and resonance frequency**

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