Data-Sheet - Variable Vacuum Capacitor - Mini-Con Series

CVMN-1000AC/5-BECD

**Specifications**

<table>
<thead>
<tr>
<th>Parameter</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>50 pF</td>
</tr>
<tr>
<td>Voltage (Peak Test $U_{\text{pt}}$ / Peak Working $U_{\text{pw}}$)</td>
<td>5 kV / 3 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</td>
<td>81 Arms</td>
</tr>
<tr>
<td>Conduction Cooling</td>
<td>50 W</td>
</tr>
<tr>
<td>Self Inductance</td>
<td>$\leq 9$ Nm</td>
</tr>
<tr>
<td>Capacitance per turn</td>
<td>101.1 pF/turn</td>
</tr>
<tr>
<td>Torque</td>
<td>$\leq 0.3$ Nm</td>
</tr>
<tr>
<td>Net Weight</td>
<td>1.4 kg</td>
</tr>
</tbody>
</table>

**Imax at 25°C ambient and 125°C surface temp. for convection and conduction (50 W) cooling**

![Graph showing Capacitance vs. Turns](image)

![Graph showing Imax vs. Frequency](image)

**Note:** Technical information in Service Bulletins SB-52 and SB-56 must be considered

Subject to change without prior notice

Issue: 08-May-2017

Replaces: 15-Jan-2014
CVMN-1000AC/5-BECD

**Turns** | **Nominal Capacitance [pF]** | **Tolerance**
--- | --- | ---
-0.5 | 50.0 | 10%
0.0 | 89.8 | 0%
2.0 | 292.0 | 10%
4.0 | 494.2 | 10%
6.0 | 697.1 | 10%
8.0 | 900.1 | 10%
9.0 | 1000.0 | 10%

Mechanical stop at < 50 pF at ~ -2.5 turns
Mechanical stop at > 1000 pF at ~ 9.1 turns

Self inductance and resonance frequency

**Special Features:**
RoHS Compliant

**Approved**
By: 
Date: 
Company: 

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