### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity $C_{\text{max}}$ (nominal)</td>
<td>650 pF</td>
</tr>
<tr>
<td>Capacity $C_{\text{nom}}$ (nominal)</td>
<td>30 pF</td>
</tr>
<tr>
<td>Voltage (Peak Test $U_{\text{pt}}$ / Peak Working $U_{\text{pw}}$)</td>
<td>50 kV / 30 kV</td>
</tr>
<tr>
<td>Capacity Tolerance (linear Range)</td>
<td>10%</td>
</tr>
<tr>
<td>Max. Current $I_{\text{max}}$ at 13.56 MHz with Water Cooling</td>
<td>467 Arms</td>
</tr>
<tr>
<td>Steam Inductance</td>
<td>$\leq 31$ nH</td>
</tr>
<tr>
<td>Capacitance per turn</td>
<td>11.2 pF/turn</td>
</tr>
<tr>
<td>Torque</td>
<td>$\leq 1.5$ Nm</td>
</tr>
<tr>
<td>Net Weight</td>
<td>12 kg</td>
</tr>
</tbody>
</table>

**Note:**
- $I_{\text{max}}$ for 12 l/min water cooling; max. water temp. at inlet: 70°C; fixed end has to be water cooled with min. 4 l/min

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

- Reference point 57.5 pF

![Graph of Frequency vs. Current](image)

- $13.56$ MHz
- $12$ l/min
- $650$ pF, $500$ pF, $250$ pF

![Diagram of Capacitor](image)

- Both ends alternating: $6$ holes $V/4$-diamond $6$0° $9$mm deep
- $6$ holes outside $9$mm deep

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**Data-Sheet - Variable Vacuum Capacitor - MAMi-Con Series**

**CVMA-650FW/50-AAB**

**Old Type Designation:** CV3W-650K

**Note:** Technical information in Service Bulletin SB-52 must be considered

**Issue:** 08-Apr-2004

**Replaces:** 16-Jul-2001
Mechanical stop at < 30 pF at ~ -8 turns
Mechanical stop at > 650 pF at ~ 53.7 turns

Type Ordering Information:

- CVMA-650FW/50-AAB 50 kV
- CVMA-650FW/45-AAB 45 kV
- CVMA-650FW/40-AAB 40 kV

Note: Technical information in Service Bulletin SB-52 must be considered