Specifications

- **Capacity** $C_{max}$ (nominal): 500 pF
- **Capacity** $C_{min}$ (nominal): 50 pF
- **Voltage (Peak Test $U_{pt}$ / Peak Working $U_{pw}$)**: 25 kV / 15 kV
- **Capacity Tolerance (linear Range)**: 10%
- **Max. Current $I_{max}$ at 13.56 MHz with Conduction Cooling**: 170 Arms
- **Self Inductance**: ≤ 7 nH
- **Capacitance per turn**: 23.4 pF/turn
- **Torque**: ≤ 0.6 Nm
- **Net Weight**: 2.5 kg

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

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

CVMX-500AC/25-BEAC-J1

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

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Replaces: 03-Jan-2008
Mechanical stop at < 50 pF at ~ 2.9 turns
Mechanical stop at > 500 pF at ~ 19.1 turns

<table>
<thead>
<tr>
<th>Turns</th>
<th>Nominal Capacitance [pF]</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>-0.4</td>
<td>50.0</td>
<td>10%</td>
</tr>
<tr>
<td>-0.2</td>
<td>54.3</td>
<td>10%</td>
</tr>
<tr>
<td>0.0</td>
<td>58.5</td>
<td>0%</td>
</tr>
<tr>
<td>4.0</td>
<td>149.5</td>
<td>10%</td>
</tr>
<tr>
<td>8.0</td>
<td>243.5</td>
<td>10%</td>
</tr>
<tr>
<td>12.0</td>
<td>337.5</td>
<td>10%</td>
</tr>
<tr>
<td>16.0</td>
<td>431.6</td>
<td>10%</td>
</tr>
<tr>
<td>18.9</td>
<td>500.0</td>
<td>10%</td>
</tr>
</tbody>
</table>

ESR [mΩ]  
EPR [MΩ]  
$\tan \delta$  
Frequency [MHz]  

Special Features:
Special Bellows

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