Specifications

Capacitance $C_{\text{max}}$ (nominal) 500 pF
Capacitance $C_{\text{min}}$ (nominal) 50 pF
Voltage (Peak Test $U_{\text{pt}}$ / Peak Working $U_{\text{pw}}$) 8 kV / 4.8 kV
Capacitance Tolerance (linear Range) 10%
Max. Current $I_{\text{max}}$ at 13.56 MHz with Conduction Cooling 92 Arms
Self Inductance $\leq 8$ nH
Capacitance per turn 40.9 pF/turn
Torque $\leq 0.2$ Nm
Net Weight 0.5 kg

Imax at 25°C ambient and 125°C surface temp. for convection and conduction (20 W) cooling

Frequency [MHz], $U_{\text{pw}} = 4.8$ kV

Subject to change without prior notice

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

Issue: 01-Dec-2016
Replaces: 17-Feb-2015
**Data-Sheet - Variable Vacuum Capacitor - Uni-Con Series**

**CVUN-500AC/8-BGJA-Z**

<table>
<thead>
<tr>
<th>Turns</th>
<th>Nominal Capacitance [pF]</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>50.0</td>
<td>0%</td>
</tr>
<tr>
<td>2.0</td>
<td>129.1</td>
<td>10%</td>
</tr>
<tr>
<td>4.0</td>
<td>210.0</td>
<td>10%</td>
</tr>
<tr>
<td>6.0</td>
<td>292.8</td>
<td>10%</td>
</tr>
<tr>
<td>8.0</td>
<td>375.6</td>
<td>10%</td>
</tr>
<tr>
<td>11.0</td>
<td>500.0</td>
<td>10%</td>
</tr>
</tbody>
</table>

Mechanical stop at < 50 pF at ~ -0.5 turns
Mechanical stop at > 500 pF at ~ 11.2 turns

**Self inductance and resonance frequency**

**Special Features:**

Special Series Features