Specifications

- **Capacity** $C_{\text{max}}$ (nominal): 1000 pF
- **Capacity** $C_{\text{min}}$ (nominal): 100 pF
- **Voltage** (Peak Test $U_{\text{pt}}$/ Peak Working $U_{\text{pw}}$): 10 kV / 6 kV
- **Capacity Tolerance** (linear Range): 10%
- **Max. Current** $I_{\text{max}}$ at 13.56 MHz with Conduction Cooling: 91 Arms
- **Net Weight**: 0.7 kg
- **Self Inductance**: $\leq$ 9 nH
- **Capacitance per turn**: 81.1 pF/turn
- **Torque**: $\leq$ 0.2 Nm

Reference point

$100 \text{ pF}$

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

$13.56 \text{ MHz}$

Conduction

20W

Convection

Frequency [MHz], $U_{\text{pw}} = 6 \text{ kV}$

<table>
<thead>
<tr>
<th>Capacitance [pF]</th>
<th>0</th>
<th>2</th>
<th>4</th>
<th>6</th>
<th>8</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turns</td>
<td>0</td>
<td>200</td>
<td>400</td>
<td>600</td>
<td>800</td>
<td>1000</td>
</tr>
</tbody>
</table>

Subject to change without prior notice

Note: Technical information in Service Bulletin

SB-52 must be considered

Issue: 18-Aug-2011

Replaces: 01-Jul-2011
Mechanical stop at < 100 pF at ~ -0.3 turns
Mechanical stop at > 1000 pF at ~ 11.2 turns

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

**CVUN-1000CC/10-BAJL**

<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>2.0</td>
<td>260.7</td>
<td>10%</td>
</tr>
<tr>
<td>4.0</td>
<td>423.0</td>
<td>10%</td>
</tr>
<tr>
<td>6.0</td>
<td>586.0</td>
<td>10%</td>
</tr>
<tr>
<td>8.0</td>
<td>749.5</td>
<td>10%</td>
</tr>
<tr>
<td>11.1</td>
<td>1000.0</td>
<td>10%</td>
</tr>
</tbody>
</table>

**Special Features:**
- RoHS Compliant