**Specifications**

- **Capacity** $C_{\text{max}}$ (nominal): 125 pF
- **Capacity** $C_{\text{min}}$ (nominal): 5 pF
- **Voltage** (Peak Test $U_{pt}$ / Peak Working $U_{pw}$): 5 kV / 3 kV
- **Capacity Tolerance** (linear Range): 10%
- **Max. Current** $I_{\text{max}}$ at 13.56 MHz with Conduction Cooling: 22 Arms
- **Conduction Cooling**: 10 W
- **Self Inductance**: ≤ 8 nH
- **Capacitance per turn**: 8.4 pF/turn
- **Torque**: ≤ 0.15 Nm
- **Net Weight**: 0.2 kg

Imax at 25°C ambient and 125°C surface temp. for convection and conduction (10 W) cooling

**Frequency [MHz], $U_{pw} = 3$ kV**

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

**CVLI-125AC/5-BFS**

Old Type Designation: CV05C-125E

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

**Issue:** 30-May-2006

**Replaces:** 23-Aug-2001
Data-Sheet - Variable Vacuum Capacitor - Li-Con Series

CVLI-125AC/5-BFS

Old Type Designation: CV05C-125E

<table>
<thead>
<tr>
<th>Turns</th>
<th>Nominal Capacitance [pF]</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1.0</td>
<td>5.0</td>
<td>10%</td>
</tr>
<tr>
<td>-0.6</td>
<td>6.5</td>
<td>10%</td>
</tr>
<tr>
<td>0.0</td>
<td>10.5</td>
<td>0%</td>
</tr>
<tr>
<td>4.0</td>
<td>42.6</td>
<td>10%</td>
</tr>
<tr>
<td>8.0</td>
<td>76.4</td>
<td>10%</td>
</tr>
<tr>
<td>12.0</td>
<td>110.1</td>
<td>10%</td>
</tr>
<tr>
<td>13.7</td>
<td>125.0</td>
<td>10%</td>
</tr>
</tbody>
</table>

Mechanical stop at < 5 pF at ~ -5.4 turns
Mechanical stop at > 125 pF at ~ 14.1 turns

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

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