Specifications

Capacity $C_{\text{max}}$ (nominal) | 30 pF
---|---
Capacity $C_{\text{min}}$ (nominal) | 3 pF
Voltage (Peak Test $U_{\text{pt}}$ / Peak Working $U_{\text{pw}}$) | 15 kV / 9 kV
Capacity Tolerance (linear Range) | 10%
Max. Current $I_{\text{max}}$ at 13.56 MHz with Conduction Cooling | 16 Arms
Conduction Cooling | 10 W
Self Inductance | $\leq 7 \text{ nH}$
Capacitance per turn | 1.8 pF/turn
Torque | $\leq 0.1 \text{ Nm}$
Net Weight | 0.2 kg

Subject to change without prior notice

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

Issue: 14-Feb-2012
Replaces: 23-May-2003
**Data-Sheet - Variable Vacuum Capacitor - Li-Con Series**

**CVLI-30CC/15-BAN**

Old Type Designation: CV1C-30E

<table>
<thead>
<tr>
<th>Turns</th>
<th>Nominal Capacitance [pF]</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>-0.9</td>
<td>3.0</td>
<td>10%</td>
</tr>
<tr>
<td>-0.8</td>
<td>3.1</td>
<td>10%</td>
</tr>
<tr>
<td>0.0</td>
<td>4.1</td>
<td>0%</td>
</tr>
<tr>
<td>3.0</td>
<td>8.5</td>
<td>10%</td>
</tr>
<tr>
<td>6.0</td>
<td>13.3</td>
<td>10%</td>
</tr>
<tr>
<td>9.0</td>
<td>18.7</td>
<td>10%</td>
</tr>
<tr>
<td>12.0</td>
<td>24.4</td>
<td>10%</td>
</tr>
<tr>
<td>14.8</td>
<td>30.0</td>
<td>10%</td>
</tr>
</tbody>
</table>

Mechanical stop at < 3 pF at ~ -6.9 turns
Mechanical stop at > 30 pF at ~ 15.2 turns

Subject to change without prior notice

Note:

- **ESR [mΩ]**
- **EPR [mΩ]**
- **tan δ**
- **Frequency [MHz]**
- **Capacitance [pF]**
- **Self inductance and resonance frequency**
- **L [mH]**
- **f_res [MHz]**

Technical information in Service Bulletin SB-52 must be considered

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