Data-Sheet - Variable Vacuum Capacitor - Uni-Con Series
CVUN-450BC/12-BGJL

Specifications

- Capacitance $C_{\text{max}}$ (nominal): 450 pF
- Capacitance $C_{\text{min}}$ (nominal): 8 pF
- Voltage (Peak Test $U_{\text{pt}}$ / Peak Working $U_{\text{pw}}$): 12 kV / 7.2 kV
- Capacitance Tolerance (linear Range): 10%
- Max. Current $I_{\text{max}}$ at 13.56 MHz with Conduction Cooling: 94 Arms
- Self Inductance: $\leq$ 9 nH
- Capacitance per turn: 42.2 pF/turn
- Torque: $\leq$ 0.2 Nm
- Net Weight: 0.65 kg

Subject to change without prior notice

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

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Issue: 19-Apr-2017
Replaces: 01-Sep-2015
Due to increased turns to reach Cmin position
the lifetime of the belows will be reduced.
Values shown in SB-56 are not valid.

Mechanical stop at < 8 pF at ~ -3.1 turns
Mechanical stop at > 450 pF at ~ 10.1 turns

Due to increased turns to reach Cmin position
the lifetime of the belows will be reduced.
Values shown in SB-56 are not valid.

<table>
<thead>
<tr>
<th>Turns</th>
<th>Nominal Capacitance [pF]</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>-2.8</td>
<td>8.0</td>
<td>10%</td>
</tr>
<tr>
<td>0.0</td>
<td>27.9</td>
<td>0%</td>
</tr>
<tr>
<td>2.0</td>
<td>111.4</td>
<td>10%</td>
</tr>
<tr>
<td>4.0</td>
<td>194.9</td>
<td>10%</td>
</tr>
<tr>
<td>6.0</td>
<td>278.3</td>
<td>10%</td>
</tr>
<tr>
<td>8.0</td>
<td>361.8</td>
<td>10%</td>
</tr>
<tr>
<td>10.0</td>
<td>450.0</td>
<td>10%</td>
</tr>
</tbody>
</table>

Special Features:
RoHS Compliant