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

**CVPO-500AW/15-BECB-L**

**Old Type Designation:** CV1W-500GN

### Specifications
- **Capacity** $C_{\text{max}}$ (nominal): 500 pF
- **Capacity** $C_{\text{min}}$ (nominal): 80 pF
- **Voltage** (Peak Test $U_{\text{tp}}$ / Peak Working $U_{\text{pw}}$): 15 kV / 9 kV
- **Capacity Tolerance** (linear Range): 10%
- **Max. Current** $I_{\text{max}}$ at 13.56 MHz with Water Cooling: 129 Arms
- **Water Cooling**: 1 l/min
- **Self Inductance**: ≤ 0.4 Nm
- **Net Weight**: 6 nH
- **Capacitance per turn**: 21.9 pF/turn
- **Torque**: ≤ 6 nH

**Note:** Technical information in Service Bulletin SB-52 must be considered.
Mechanical stop at < 80 pF at ~ -0.9 turns
Mechanical stop at > 500 pF at ~ 19.5 turns

<table>
<thead>
<tr>
<th>Turns</th>
<th>Nominal Capacitance [pF]</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>80.0</td>
<td>0%</td>
</tr>
<tr>
<td>4.0</td>
<td>165.3</td>
<td>10%</td>
</tr>
<tr>
<td>8.0</td>
<td>251.7</td>
<td>10%</td>
</tr>
<tr>
<td>12.0</td>
<td>339.7</td>
<td>10%</td>
</tr>
<tr>
<td>16.0</td>
<td>427.7</td>
<td>10%</td>
</tr>
<tr>
<td>19.2</td>
<td>500.0</td>
<td>10%</td>
</tr>
</tbody>
</table>

Technical information in Service Bulletin SB-52 must be considered

Special Features:
Integrated Flange