NON-MAGNETIC

Capacitors

Non-magnetic Capacitors are specifically designed for low magnetic signature applications such as Magnetic Resonance Imaging, Nuclear Magnetic Resonance, and other medical applications. These high stability Non-magnetic Capacitors feature the one piece self locking constant torque mechanism along with special non-magnetic construction for superior performance in very high strength magnetic fields. Non-magnetic Capacitors are available in multi-turn and single turn styles and various configurations.

CHARACTERISTICS

- Working Voltage: From 250 VDC to 5000 VDC
- Long Rotational life
- Insulation Resistance: > 10^6 MΩ
- Temperature range: -65°C to +125°C
- RoHS Compliant

<table>
<thead>
<tr>
<th>WORKING VOLTAGE</th>
<th>CAPACITANCE RANGE</th>
<th>SERIES</th>
<th>Q</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>5000 VDC</td>
<td>1 to 7.5 pF</td>
<td>5610</td>
<td>&gt; 1000 @ 1000 Hz</td>
<td>2</td>
</tr>
<tr>
<td>1250 VDC</td>
<td>1.5 to 10 pF</td>
<td>52H</td>
<td>&gt; 1400 @ 150 Hz</td>
<td>2</td>
</tr>
<tr>
<td>1000 VDC</td>
<td>1.5 to 19 pF</td>
<td>55H</td>
<td>&gt; 1000 @ 175 Hz</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>1 to 25 pF</td>
<td>59H</td>
<td>&gt; 1000 @ 175 Hz</td>
<td>2,3</td>
</tr>
<tr>
<td></td>
<td>2 to 30 pF</td>
<td>56H</td>
<td>&gt; 1000 @ 175 Hz</td>
<td>3</td>
</tr>
<tr>
<td>250 VDC</td>
<td>.4 to 3.5 pF</td>
<td>5860</td>
<td>&gt; 10000 @ 1000 Hz</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>.6 to 6.0 pF</td>
<td>5760</td>
<td>&gt; 10000 @ 1000 Hz</td>
<td>3,4</td>
</tr>
<tr>
<td></td>
<td>.8 to 10 pF</td>
<td>5240</td>
<td>&gt; 4000 @ 1000 Hz</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>1 to 30 pF</td>
<td>5640</td>
<td>&gt; 800 @ 1000 Hz</td>
<td>4</td>
</tr>
<tr>
<td>250 VDC [90° to 180° Resolution]</td>
<td>UP TO 50 pF</td>
<td>THIN-TRIM</td>
<td>SEE DATASHEET</td>
<td>THIN-TRIM</td>
</tr>
<tr>
<td></td>
<td>UP TO 22 pF</td>
<td>CERA-TRIM</td>
<td>SEE DATASHEET</td>
<td>CERA-TRIM</td>
</tr>
<tr>
<td></td>
<td>UP TO 50 pF</td>
<td>SEAL-TRIM</td>
<td>SEE DATASHEET</td>
<td>SEAL-TRIM</td>
</tr>
</tbody>
</table>

Specifications provided are typical and for reference only. Specifications are subject to change, and may be discontinued without advance notice.
**5000 VDC -1 TO 7.5 pF**
- Capacitance Range: 1 to 7.5 pF (>26 turns)
- Working Voltage: 5000 VDC (9000 VDC Test)
- Torque: 1 to 5.0 oz. In.
- Tuning Tool: 8764
- Gold, Silver, Chromate Finish
- RoHS Compliant

**1000 VDC -1 TO 19 pF**
- Capacitance Range: 1.5 to 19 pF (>28 turns)
- Working Voltage: 1000 VDC (2000 VDC Test)
- Torque: 1 to 5.0 oz. In.
- Tuning Tool: 8764
- Gold, Silver, Chromate Finish
- RoHS Compliant

**1250 VDC -1 TO 10 pF**
- Capacitance Range: 1.5 to 10 pF (>18 turns)
- Working Voltage: 1250 VDC (2500 VDC Test)
- Torque: 1 to 5.0 oz. In.
- Tuning Tool: 8764
- Gold, Silver, Chromate Finish
- RoHS Compliant
# 1000 VDC – 1 to 25 pF

<table>
<thead>
<tr>
<th>59H01</th>
<th>Q @ 175 MHz &gt;1000</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="59H01 Diagram" /></td>
<td></td>
</tr>
</tbody>
</table>

### Specifications:
- Capacitance Range: 1 to 25 pF [>9 turns]
- Working Voltage: 1000 VDC (2000 VDC Test)
- Torque: 3 to 3.0 oz. In.
- Tuning Tool: 8766
- Gold, Silver, Chromate Finish
- RoHS Compliant

# 1000 VDC – 2 to 30 pF

<table>
<thead>
<tr>
<th>59H18</th>
<th>Q @ 175 MHz &gt;1000</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image2" alt="59H18 Diagram" /></td>
<td></td>
</tr>
</tbody>
</table>

### Specifications:
- Capacitance Range: 2 to 30 pF [>25 turns]
- Working Voltage: 1000 VDC (2000 VDC Test)
- Torque: 1 to 5.0 oz. In.
- Tuning Tool: 8764
- Gold, Silver, Chromate Finish
- RoHS Compliant

# 250 VDC – 0.4 to 3.5 pF

<table>
<thead>
<tr>
<th>5862</th>
<th>Q @ 100 MHz &gt;10000</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3" alt="5862 Diagram" /></td>
<td></td>
</tr>
</tbody>
</table>

### Specifications:
- Capacitance Range: 0.4 to 3.5 pF [>9 turns]
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: 0.3 to 3.0 oz. In.
- Tuning Tool: 8766
- Gold, Silver, Chromate Finish
- RoHS Compliant

# 250 VDC – 0.6 to 6.0 pF

<table>
<thead>
<tr>
<th>56H01</th>
<th>Q @ 175 MHz &gt;1000</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image4" alt="56H01 Diagram" /></td>
<td></td>
</tr>
</tbody>
</table>

### Specifications:
- Capacitance Range: 0.6 to 6.0 pF [>8 turns]
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: 0.4 to 4.0 oz. In.
- Tuning Tool: 8764
- Gold, Silver, Chromate Finish
- RoHS Compliant

<table>
<thead>
<tr>
<th>56H02</th>
<th>Q @ 175 MHz &gt;1000</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image5" alt="56H02 Diagram" /></td>
<td></td>
</tr>
</tbody>
</table>

### Specifications:
- Capacitance Range: 0.6 to 6.0 pF [>8 turns]
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: 0.4 to 4.0 oz. In.
- Tuning Tool: 8764
- Gold, Silver, Chromate Finish
- RoHS Compliant

<table>
<thead>
<tr>
<th>5760</th>
<th>Q @ 100 MHz &gt;10000</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image6" alt="5760 Diagram" /></td>
<td></td>
</tr>
</tbody>
</table>

### Specifications:
- Capacitance Range: 0.6 to 6.0 pF [>8 turns]
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: 0.4 to 4.0 oz. In.
- Tuning Tool: 8764
- Gold, Silver, Chromate Finish
- RoHS Compliant

<table>
<thead>
<tr>
<th>5761</th>
<th>Q @ 100 MHz &gt;10000</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image7" alt="5761 Diagram" /></td>
<td></td>
</tr>
</tbody>
</table>

### Specifications:
- Capacitance Range: 0.6 to 6.0 pF [>8 turns]
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: 0.4 to 4.0 oz. In.
- Tuning Tool: 8764
- Gold, Silver, Chromate Finish
- RoHS Compliant

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## 250 VDC – 0.6 TO 6 PF

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Q @ 100 MHz</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>5762</td>
<td>&gt;10000</td>
<td></td>
</tr>
</tbody>
</table>

### Features
- Capacitance Range: 0.6 to 6 pF (6 to 23 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: 1 to 5.0 oz. In.
- Tuning Tool: 8764
- Gold, Silver, Chromate Finish
- RoHS Compliant

![Diagram for 5762](image)

## 250 VDC – 0.8 TO 10 PF

### Features
- Capacitance Range: 0.8 to 10 pF (>6 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: 1 to 5.0 oz. In.
- Tuning Tool: 8764
- Gold, Silver, Chromate Finish
- RoHS Compliant

### Applications
- 5762
  - Q @ 100 MHz: >10000

## 250 VDC – 1 TO 30 PF

### Features
- Capacitance Range: 1 to 30 pF (>23 turns)
- Working Voltage: 250 VDC (500 VDC Test)
- Torque: 1 to 5.0 oz. In.
- Tuning Tool: 8764
- Gold, Silver, Chromate Finish
- RoHS Compliant

### Applications
- 5762
  - Q @ 100 MHz: >10000

![Diagram for 5762](image)