The **TOH Series** features Pin Mount or SMA connectors and a frequency range of DC to 2.5 GHz.

This series is available with fail-safe function.

**RF Impedance:** 50 ohms nominal  
**Temperature Range:** -35°C to +85°C ambient  
**Operating Life:** 1,000,000 cycles min.  
**Switching Time:** 20 mSec max.  
**Switching Sequence:** Break Before Make

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Frequency</th>
<th>DC-2.5 GHz - TOH54</th>
<th>DC-2.5 GHz - TOH55</th>
</tr>
</thead>
<tbody>
<tr>
<td>VSWR (max.)</td>
<td>1.30</td>
<td>1.20</td>
</tr>
<tr>
<td>Insertion Loss (dB max.)</td>
<td>0.25</td>
<td>0.15</td>
</tr>
<tr>
<td>Isolation (dB min.)</td>
<td>40</td>
<td>40</td>
</tr>
</tbody>
</table>

#### AVAILIBLE OPTIONS

<table>
<thead>
<tr>
<th>OPTION 2 RF CONNECTORS</th>
<th>OPTION 4 VOLTAGE</th>
<th>OPTION 5 ACTUATOR</th>
<th>OPTION 6 FREQUENCY</th>
<th>OPTION 7 POLARITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 - SMA</td>
<td>1 - 6 Vdc +/- 10%</td>
<td>A - Standard</td>
<td>1 - DC to 2.5 GHz</td>
<td>0 - Not Applicable</td>
</tr>
<tr>
<td>7 - Pin Mount</td>
<td>2 - 12 Vdc +/- 10%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 - 24-30 Vdc</td>
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</tr>
<tr>
<td></td>
<td>5 - 20-24 Vdc</td>
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</tbody>
</table>

* If reduced coil current is required, please contact Factory.
TOH54

DC TERMINAL FUNCTION

<table>
<thead>
<tr>
<th>PIN</th>
<th>FAIL-SAFE</th>
</tr>
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<tbody>
<tr>
<td>A</td>
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</tr>
</tbody>
</table>

Coil In 1

Coil In 2

SCHHEMATICS

Pages 139–143

FIG. 37

TOP VIEW

Flying Leads

Solder Terminals

FRONT VIEW

Flying Leads

Solder Terminals

BOTTOM VIEW

TOH55

TOP VIEW

Flying Leads

Solder Terminals

FRONT VIEW

Flying Leads

Solder Terminals

BOTTOM VIEW

High quality microwave and millimeter wave components and subsystems. Visit Ducommun RF Products online at www.ducommun.com or contact us at 310.513.7200. All specifications are subject to change without notice.