The **HN Series** features N connectors and a frequency range of DC to 10 GHz.

This series is available with failsafe and normally open functions. Please contact Factory for latching and pulse latching design availability.

**Weight (max.):** 33 oz  
**RF Impedance:** 50 ohms nominal  
**Operating Temperature:** -25°C to +65°C ambient  
**Operating Life:** 1,000,000 cycles min.  
**Switching Sequence:** Break Before Make

<table>
<thead>
<tr>
<th>Option 3 Voltage</th>
<th>VSWR</th>
<th>Insertion Loss</th>
<th>Isolation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-3 GHz</td>
<td>1.30</td>
<td>0.20</td>
<td>80</td>
</tr>
<tr>
<td>3-6 GHz</td>
<td>1.50</td>
<td>0.35</td>
<td>75</td>
</tr>
<tr>
<td>6-10 GHz</td>
<td>1.70</td>
<td>0.60</td>
<td>65</td>
</tr>
</tbody>
</table>

**Actuator Current (typical):**  
- Failsafe: 500mA  
- Normally Open: 255mA

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

<table>
<thead>
<tr>
<th>Option 4 Actuator</th>
<th>Normalized</th>
<th>12Vdc</th>
<th>15Vdc</th>
<th>24Vdc</th>
<th>28Vdc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Failsafe</td>
<td></td>
<td>500mA</td>
<td>375mA</td>
<td>235mA</td>
<td>225mA</td>
</tr>
<tr>
<td>Normally Open</td>
<td></td>
<td>255mA</td>
<td>240mA</td>
<td>160mA</td>
<td>150mA</td>
</tr>
</tbody>
</table>

**Switching Time - mSec (Max):**  
- NO: 20  
- NC: 50  
- Latching: N/A

Please Note: USB integration can only be applied to Voltage Options 5Vdc, 12Vdc, & 15Vdc, Polarity Option # 3, and Terminals Option # 3. Schematics may include optional Indicator Contacts. If your Actuator Option does not include Indicator Contacts, omit them from the schematic.
**HN SERIES**
**SP7T to SP10T**
**MULTI POSITION SWITCH**
**DC-10 GHz**

**AVAILABLE OPTIONS**

**OUTLINE DRAWING**

**DIMENSION “A”**

**SCHEMATICS**
Pages 132–137

**INDICATORS**

**AVAILABLE OPTIONS**

* Consult factory for Dimension “A” when multi pin connector is desired.

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**TOP VIEW**

Actual markings will reflect terminal functions, not letter or number designation as shown above.

**FRONT VIEW**

**BOTTOM VIEW**

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