The WN Series features SMA connectors and a frequency range of DC to 22 GHz.

This series is available with normally open functions only.

**RF Impedance:** 50 ohms nominal  
**Temperature Range:** -35°C to +85°C ambient  
**Operating Life:** 2,000,000 cycles min.  
**Switching Time:** 15 mSec max.  
**Switching Sequence:** Break Before Make  
**Environmental:** Designed in Accordance to MIL-DTL-3928 (Testing and Operation Modes)

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Frequency</th>
<th>VSWR (max.)</th>
<th>Insertion Loss (dB) max.</th>
<th>Isolation (dB) min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-3 GHz</td>
<td>1.15</td>
<td>0.15</td>
<td>80</td>
</tr>
<tr>
<td>3-8 GHz</td>
<td>1.25</td>
<td>0.25</td>
<td>70</td>
</tr>
<tr>
<td>8-12.4 GHz</td>
<td>1.30</td>
<td>0.30</td>
<td>60</td>
</tr>
<tr>
<td>12.4-18 GHz</td>
<td>1.40</td>
<td>0.40</td>
<td>60</td>
</tr>
<tr>
<td>18-22 GHz</td>
<td>1.60</td>
<td>0.60</td>
<td>55</td>
</tr>
</tbody>
</table>

**Actuator Current**  
(typical)  
12Vdc | 12-15 Vdc | 26-24 Vdc | 24-38 Vdc |  
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>160mA</td>
<td>200mA</td>
<td>320mA</td>
<td>400mA</td>
<td></td>
</tr>
</tbody>
</table>

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

### AVAILABLE OPTIONS

**OPTION 2: RF CONNECTORS**  
- SMA

**OPTION 3: TERMINALS**  
1. Solder Terminals  
2. Circular Connector  
3. Other (Specify) / Molex for USB Option  
4. Sub Miniature D-Shell Connector

**OPTION 4: VOLTAGE**  
1. 6 Vdc +/- 10%  
2. 12 Vdc +/- 10%  
3. 24-30 Vdc  
4. 48 Vdc +/- 10%  
5. 110 Vdc +/- 10%  
6. 12-16 Vdc  
7. 16-20 Vdc  
8. 20-24 Vdc

**OPTION 5: ACTUATOR**  
- Latching Self Cut-Off  
- Diodes  
- Indicators

**OPTION 6: FREQUENCY**  
1. DC to 22 GHz

**OPTION 7: POLARITY**  
1. Not Applicable  
2. Positive Common  
3. Negative Common

**OPTION 8: SPECIAL OPTIONS**  
- TTL (High)  
- TTL (Low)  
- Bracket  
- Reset (Latching Only)  
- BCD  
- USB

---

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.