The **N Series** features SMA connectors and a frequency range of DC to 15 GHz.

This series is available with latching self-cut-off or normally open functions.

**RF Impedance:** 50 ohms nominal  
**Temperature Range:** -35°C to +85°C ambient  
**Operating Life:** 1,000,000 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>
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<tr>
<th>Frequency</th>
<th>VSWR (max.)</th>
<th>Insertion Loss (dB max.)</th>
<th>Isolation (dB min.)</th>
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<td>3-8 GHz</td>
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<td>8-12.4 GHz</td>
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<td>12.4-15 GHz</td>
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### Available Options

**Option 2**  
RF Connectors  
- SMA

**Option 3**  
Terminals  
- Solder Terminals
- Circular Connector
- Sub-Miniature D-Shell Connector
- USB

**Option 4**  
Voltage  
- 6 Vdc +/- 10%
- 12 Vdc +/- 10%
- 24-30 Vdc
- 48 Vdc +/- 10%
- 110 Vac +/- 10%
- 12-15 Vdc
- 18-20 Vdc
- 20-24 Vdc

**Option 5**  
Actuator  
D - Latching Self Cut-Off
E - Diodes, Indicators (USB Optional)
H - Diodes (USB Optional)
J - Diodes, Indicators (USB Optional)
K - Standard
L - Failsafe to Position 1 - Standard
M - Failsafe to Position 1 - Diodes
N - Failsafe to Position 1 - Diodes, Indicators
O - Not Applicable
P - Positive Common
Q - Negative Common
R - BCD
S - USB

**Option 6**  
Frequency  
- DC to 15 GHz

**Option 7**  
Polarity  
- TTL (High)
- TTL (Low)
- Bracket
- Flange
- High Power Handling
- Reset (Latching Only)
- Not Applicable
- Positive Common
- Negative Common

**Option 8**  
Special Options  
- Not Applicable, USB
- Positive Common
- Negative Common
- BCD
- USB

Please Note: USB integration can only be applied to Voltage Options 12Vdc, & 15Vdc, Polarity Option # 3, and Terminals Option # 3. The switch has a mini-USB socket on the enclosure interface which provides communication between switch and computers. Additionally, the enclosure also has a Molex socket for 12Vdc connection, which is required to power RF switch. The switch is accompanied with a CD driver, a 3 ft. USB cable and a 12 Vdc AC/DC adapter.
### DC TERMINAL FUNCTION

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**NOTE #1:** RESET IF (R) OPTION IS SELECTED, OTHERWISE N/A

### SCHEMATICS

**Pages 139-143**

**FIG.**

25 26 25 26 29 29 29 29 30 33 33 34 33 34

**OUTLINE DRAWING DIMENSION “A”**

2.60” 2.98” 2.60” 2.98” 2.10” 2.10” 2.36” 2.10” 2.10” 2.36” 2.10” 2.36” 2.10” 2.36”

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**DC TERMINAL VIEW**

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**BOTTOM VIEW**

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**FRONT VIEW**