



### Features:

- Broadband: DC - 26.5 GHz
- Extended Life: 2 million cycles
- Excellent Repeatability
- Low Insertion Loss
- High Isolation

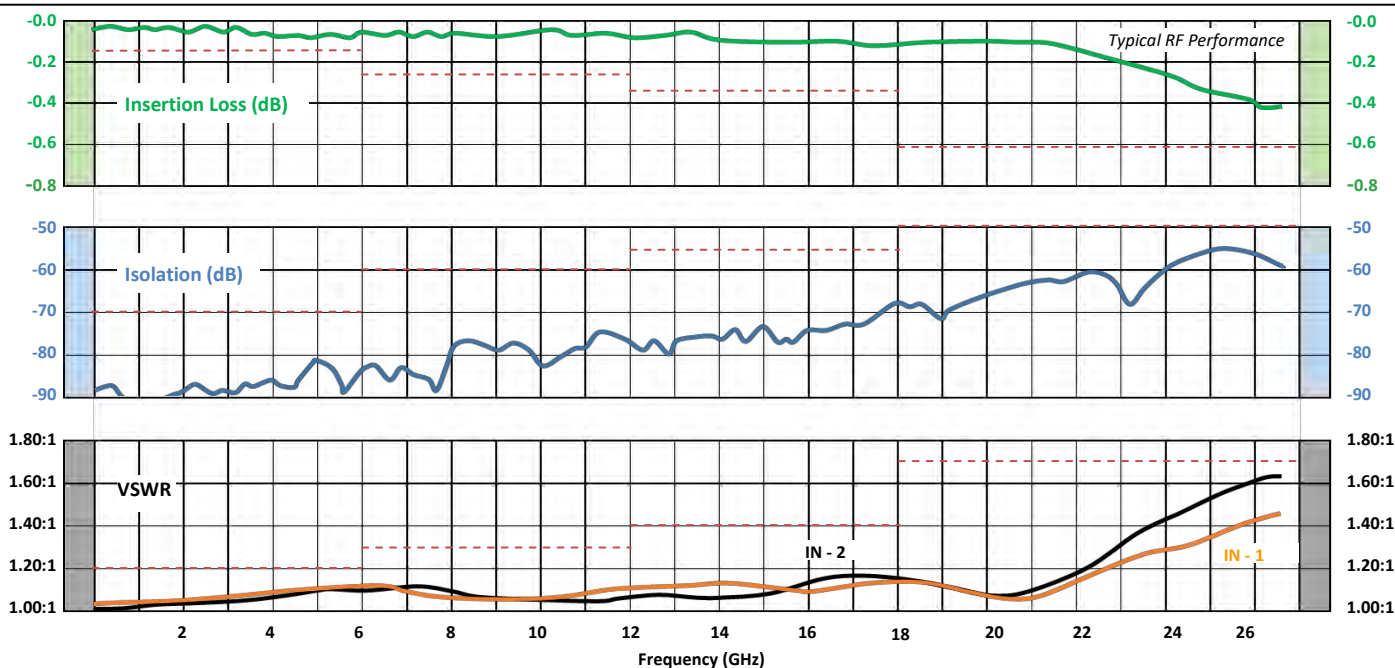


### RF Specification:

| Frequency, (GHz)   | DC-6              | 6-12   | 12-18  | 18-26.5 |
|--------------------|-------------------|--------|--------|---------|
| Ins. Loss dB (max) | 0.15              | 0.25   | 0.35   | 0.60    |
| Isolation dB (min) | 80                | 70     | 60     | 50      |
| VSWR (max)         | 1.20:1            | 1.30:1 | 1.40:1 | 1.70:1  |
| Switching Time     | 20 mS (max)       |        |        |         |
| Switching Action   | Break-Before-Make |        |        |         |
| Impedance          | 50 $\Omega$       |        |        |         |

### Description:

Broadband frequency coverage with high reliability and low loss performance makes these switches ideal for testing and end product applications. A wide selection of connectors and features are available to meet most requirements. Good low to medium power handling. **Applications:** test stations, stand-by switch, Tx/Rx antenna switch, distribution switch. **Markets:** defense, telecom, aerospace, enterprise, consumer and IoT.



| Specifications |                                                         |
|----------------|---------------------------------------------------------|
| Oper Temp      | -25° C to +65° C                                        |
| Oper Temp      | -54° C to +85° C (M version)                            |
| Storage Temp   | -55° C to +100° C                                       |
| Humidity       | Moisture resistant or immersion sealing available       |
| Shock          | MIL-STD-202 Method 213, Condition D, 500G (non oper)    |
| Vibration      | MIL-STD-202 Method 214, Condition D, 10G RMS (non oper) |
| Cycle Life     | 2M cycles (may vary based on selected options)          |

| Voltages and Current |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|
| Nominal Voltage, Vdc | 5     | 12    | 15    | 24    | 28    |
| Voltage Range, Vdc   | 4.5-6 | 11-13 | 14-16 | 22-26 | 26-30 |
| Current (mA)*        | 470   | 200   | 160   | 110   | 90    |

\* at nominal voltage and +20°C

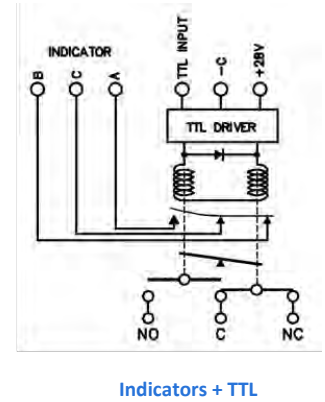
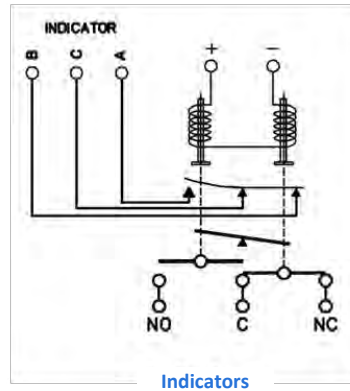
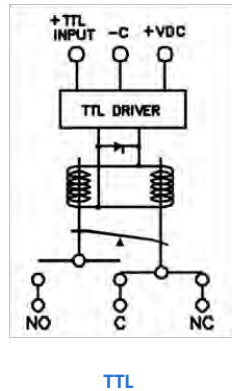
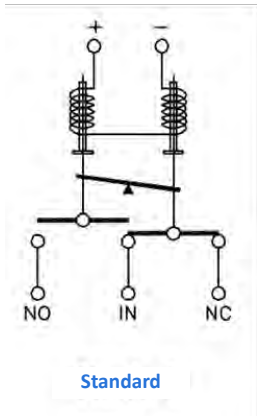
| Popular Models |                                                         |
|----------------|---------------------------------------------------------|
| SPDT-0A-26A    | SPDT, SMA, Failsafe, DC-26.5GHz, 12VDC                  |
| SPDT-0A-26A-D  | SPDT, SMA, Failsafe, DC-26.5GHz, 12VDC, TTL             |
| SPDT-0B-26A    | SPDT, SMA, Failsafe, DC-26.5GHz, 12VDC, Indicator       |
| SPDT-0B-26A-D  | SPDT, SMA, Failsafe, DC-26.5GHz, 12VDC, Indicator , TTL |

- See backside for a full list of available features and options
- Contact us for high power and custom designs

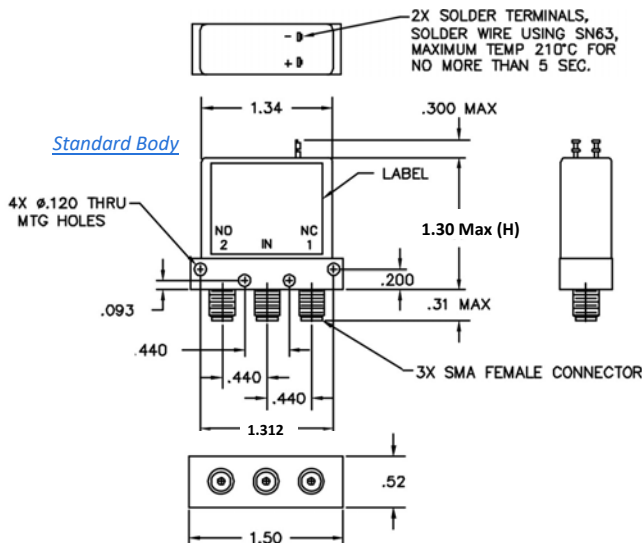




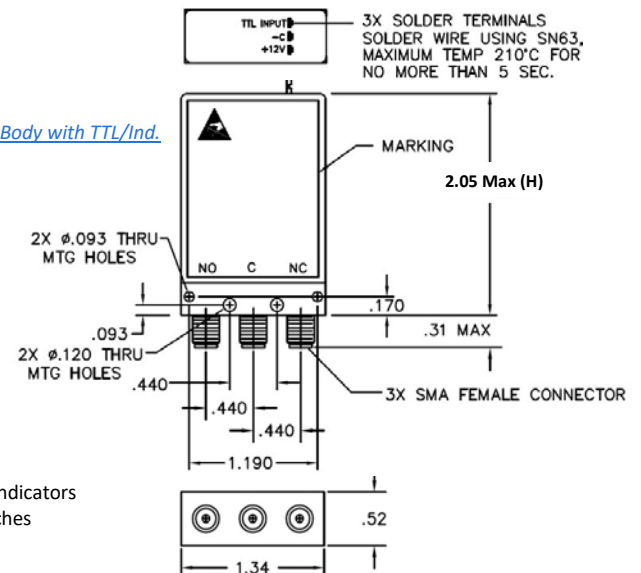
### Schematics:



### Outline:



### Narrow Body with TTL/Ind.



H = 1.30 max standard  
H = 2.05 max with TTL/Indicators  
All dimensions are in inches

### Model Numbering System

Example: SPDT-0A-26A-D

(SPDT, SMA Connector, Failsafe without indicator, DC-26.5GHz, 12VDC, TTL Driver, Pin Terminal Control)

| Connector Type |               |
|----------------|---------------|
| 0: SMA         | 6: SMB        |
| 1: N           | 7: 7/16 DIN   |
| 2: TNC         | 8: BNC        |
| 3: RF PIN      | 9: K (2.92mm) |
| 4: F (75Ω)     | 10: Mini DIN  |
| 5: SC          |               |

| Actuator Type                  |
|--------------------------------|
| A : Failsafe without Indicator |
| B : Failsafe with Indicator    |

**SPDT - 0A - 26A - D -**

| Frequency Range |                 |
|-----------------|-----------------|
| 03 : DC-3GHz    | 18 : DC-18GHz   |
| 08 : DC-8GHz    | 22 : DC-22GHz   |
| 12 : DC-12GHz   | 26 : DC-26.5GHz |

| Actuator Voltage |           |
|------------------|-----------|
| A : 12VDC        | E : 20VDC |
| B : 15VDC        | F : 5VDC  |
| C : 28VDC        | G : 18VDC |
| D : 24VDC        | H : 48VDC |

| Control Options                |
|--------------------------------|
| Default : Pin Terminal Control |
| S9 : 9 Pins D-Sub              |
| S15 : 15 Pins D-Sub            |

| Options                     |
|-----------------------------|
| H : High Power              |
| D : TTL Drivers with Diodes |
| I : Suppression Diodes      |
| E : Decoder                 |
| Y : Moisture Seal           |
| N : Narrow Body             |
| C : Custom                  |



RoHS



\* Solder pins are standard for SPDT, no designation on model number needed

