

Features:

- Broadband: DC - 18 GHz
- Extended Life: 2 million cycles
- Excellent Repeatability
- Low Insertion Loss
- High Isolation

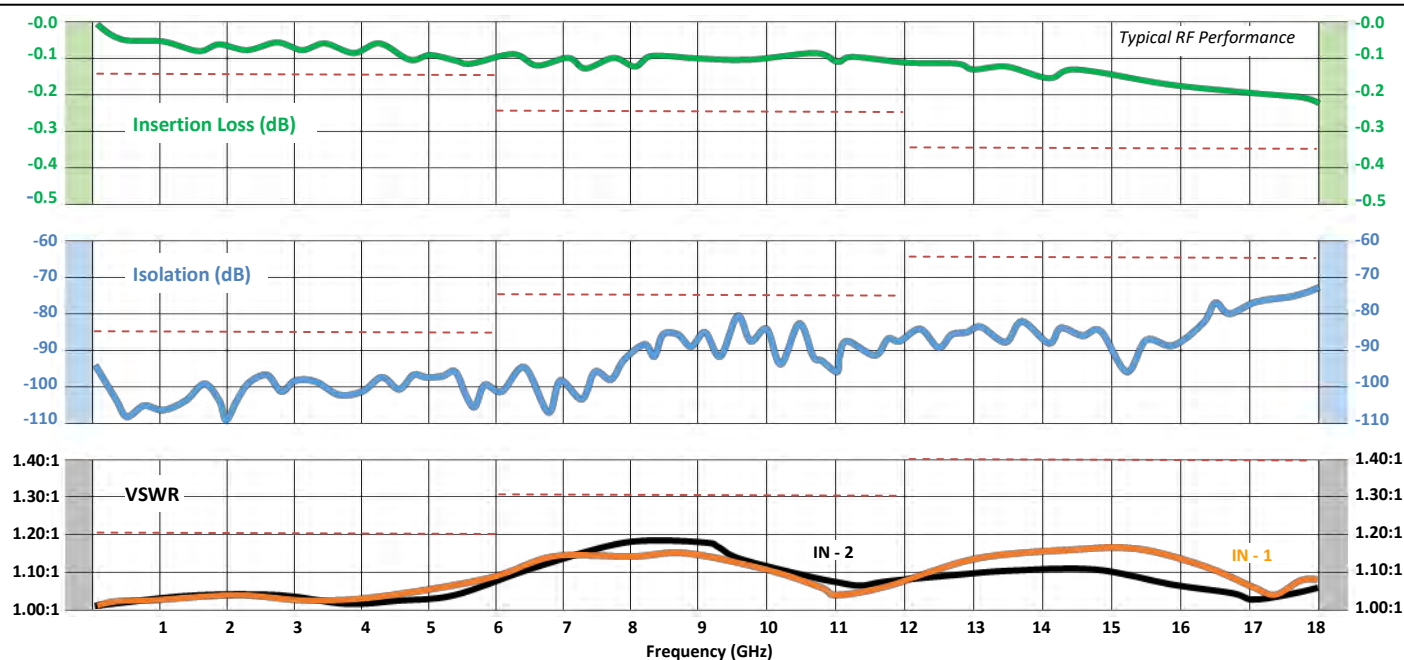


RF Specification:

Frequency (GHz)	DC - 6	6 - 12	12 - 18
Ins. Loss dB (max)	0.15	0.25	0.35
Isolation dB (max)	85	75	65
VSWR (max)	1.20:1	1.30:1	1.40:1
Switching Time	20 mS (max)		
Switching Action	Break-Before-Make		
Nominal Impedance	50 Ohms		

Description:

High reliability and low loss performance makes these switches ideal for testing and end product applications. A wide selection of connectors and features is 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

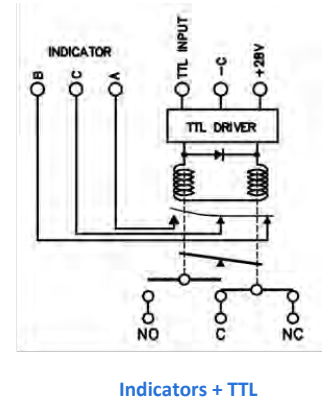
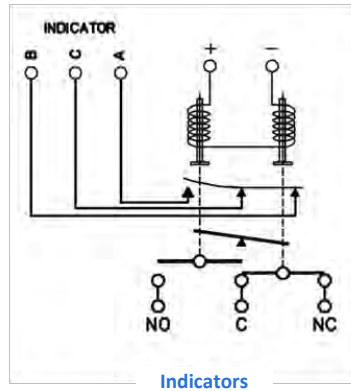
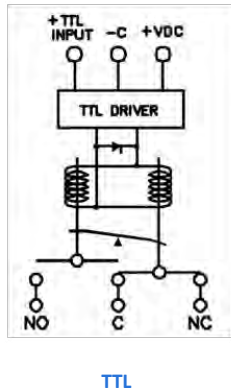
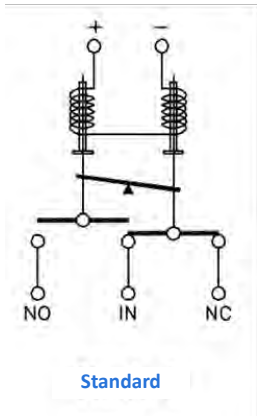
SPDT-0A-18A	SPDT, SMA, Failsafe, DC-18GHz, 12VDC
SPDT-0A-18A-D	SPDT, SMA, Failsafe, DC-18GHz, 12VDC, TTL
SPDT-0A-18A-N	SPDT, SMA, Failsafe, DC-18GHz, 12VDC, Narrow Body
SPDT-0B-18A	SPDT, SMA, Failsafe, DC-18GHz, 12VDC, Indicator
SPDT-0B-18A-D	SPDT, SMA, Failsafe, DC-18GHz, 12VDC, Indicator, TTL

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

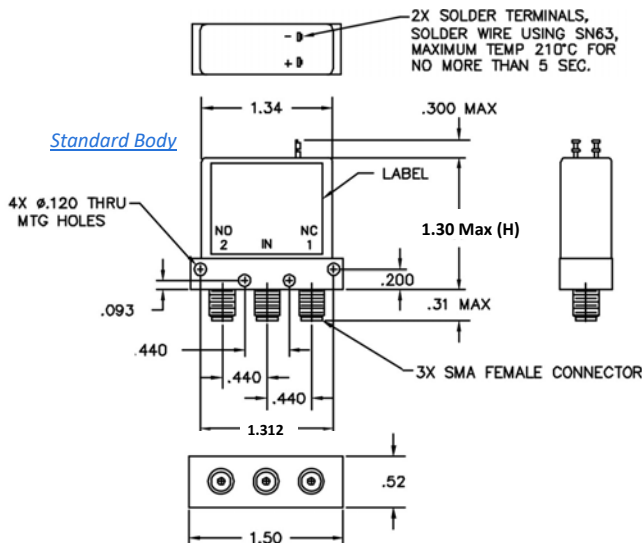




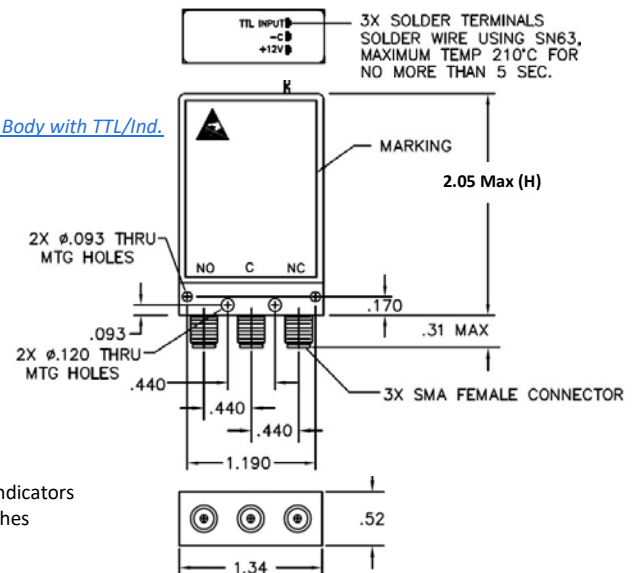
Schematics:



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-18A-D-S9

(SPDT, SMA Connector, Failsafe without indicator, DC-18GHz, 12VDC, TTL Driver, D-Sub 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

Frequency Range
03 : DC-3GHz
08 : DC-8GHz
12 : DC-12GHz
18 : DC-18GHz

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



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

