



Latching - Standard - 2.92mm - DC to 40 GHz

Features:

Broadband: DC - 40 GHzExtended Life: 5 million cycles

Excellent Repeatability

Low Insertion Loss

• Available in 3, 4, 5 or 6 Positions

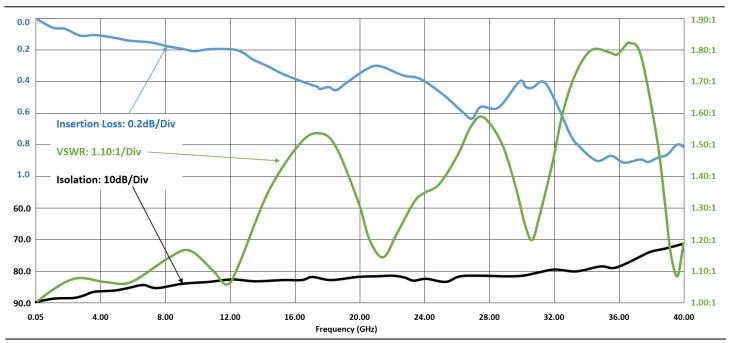
Note: See series SP3T-SP6T Option T for 50Ω terminations



RF Specification:

Frequency, (GHz)	DC - 6	6 - 12	12 - 18	18 - 26.5	26.5 - 32	32 - 40	Operation	Specification
Ins. Loss dB (max)	0.30	0.30	0.60	0.80	0.80	1.10	Switching Time	20 mS (max)
Isolation dB (min)	80	75	70	70	60	60	Switching Action	Break-Before-Make
VSWR (max)	1.25:1	1.30:1	1.60:1	1.70:1	1.80:1	1.95:1	Impedance	50 Ω

Description: High reliability and low loss performance makes these switches ideal for all testing applications. Magnetically latched in place after control voltage is removed. Available in 3, 4, 5 or 6 position versions with a wide selection of features are available to meet most requirements. Good low to medium power handling. **Applications:** lab testing to production ATE requirements. **Markets:** defense, telecom, aerospace, enterprise, consumer and IoT.



Specifications				
Oper Temp	-25° C to +70° 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	5M cycles (may vary based on selected options)			

Voltages and Current						
Nominal Voltage, Vdc	12	15	24	28		
Voltage Range, Vdc	11-13	14-16	22-26	26-30		
Current (mA)*	250	200	150	140		

Note: Reset current = Current rating x (# of positions)

Popular Models			
SP3T-9C-40A	SP3T, K connector, Latching, DC-40GHz, 12VDC		
SP3T-9C-40A-D	SP3T, K connector, Latching, DC-40GHz, 12VDC, TTL		
SP4T-9C-40A	SP4T, K connector, Latching, DC-40GHz, 12VDC		
SP4T-9C-40A-D	SP4T, K connector, Latching, DC-40GHz, 12VDC, TTL		
SP6T-9C-40A	SP6T, K connector, Latching, DC-40GHz, 12VDC		
SP6T-9C-40A-D	SP6T, K connector, Latching, DC-40GHz, 12VDC, TTL		

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



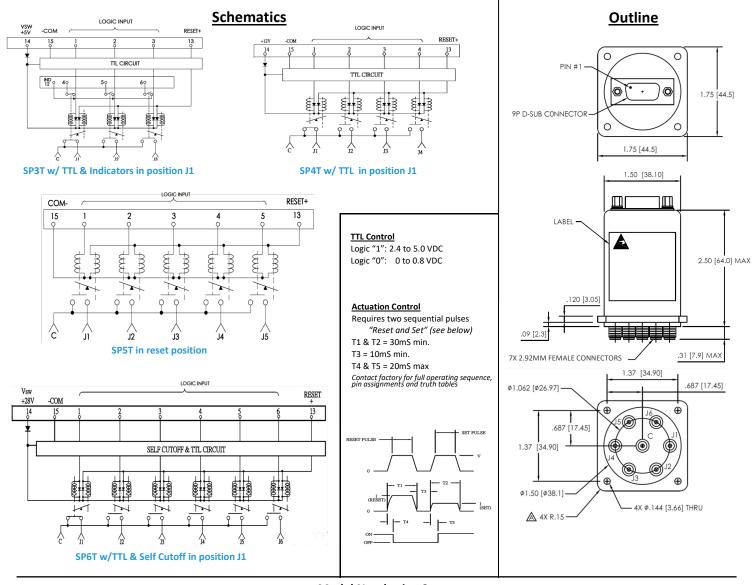


^{*} at nominal voltage and +20°C



Single-Pole-Multi-Throw (SP3T-SP6T)

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Model Numbering System Example: SP3T-9C-40A-D

(SP3T, K Connector, Latching without indicator, DC-40GHz, 12VDC, TTL Driver, D-Sub Control)

