Normally Open - 2.92mm - DC to 40GHz



Features:

Broadband: DC - 40 GHzExtended Life: 2 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

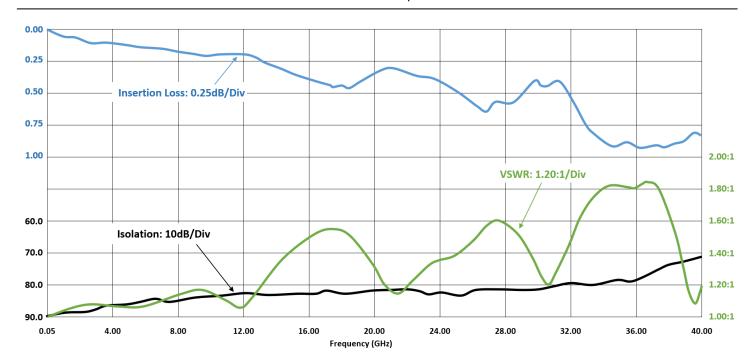


RF Specification:

Frequency, (GHz)	DC-12	12-26	26-32	32-40
Ins. Loss dB (max)	0.30	0.60	0.80	1.00
Isolation dB (min)	80	80	80	70
VSWR (max)	1.25:1	1.60:1	1.70:1	1.90:1
Switching Time	20 mS (max	c)		
Switching Action	Break-Befo	re-Make		
Impedance	50 Ω			

Description:

Broadband frequency coverage and high reliability makes these switches ideal for all testing applications. Selected position remains active with constant voltage, all positions are open when voltage is removed. Good low to medium power handling. **Applications:** lab testing to production ATE requirements. **Markets:** defense, telecom, aerospace, enterprise and 5G.



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	2M cycles (may vary based on selected options)	

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

*	at	nominal	voltage	and	+20°C	
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Popular Models		
SP3T-9E-40A	SP3T, K connector, Normally Open, DC-40GHz, 12VDC	
SP3T-9E-40A-D	SP3T, K connector, Normally Open, DC-40GHz, 12VDC, TTL	
SP4T-9E-40A	SP4T, K connector, Normally Open, DC-40GHz, 12VDC	
SP4T-9E-40A-D	SP4T, K connector, Normally Open, DC-40GHz, 12VDC, TTL	
SP6T-9E-40A	SP6T, K connector, Normally Open, DC-40GHz, 12VDC	
SP6T-9E-40A-D	SP6T, K connector, Normally Open, DC-40GHz, 12VDC, TTL	
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- See backside for a full list of available features and options
- Contact us for high power and custom designs

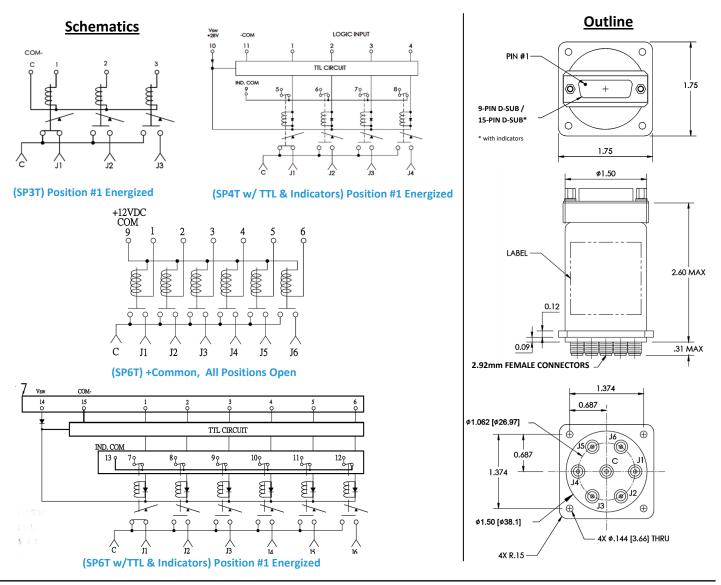






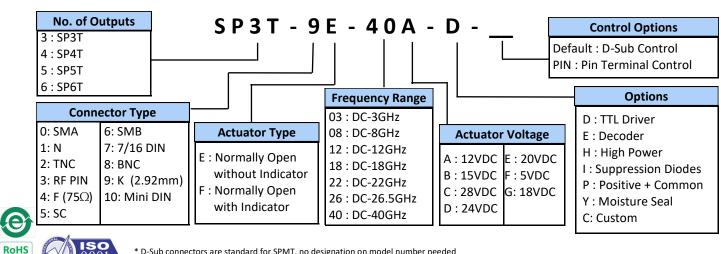


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Model Numbering System
Example: SP3T-9E-40A-D

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



* D-Sub connectors are standard for SPMT, no designation on model number needed