

SP3T to SP6T Coaxial Switch
LF-SPXT-XX40-DT
DC-40 GHz SMA, Terminated



Electrical Characteristics:

Parameter	Value		
Frequency Range	DC-40 GHz		
Impedance	50 Ohms		
Operation Mode	Normally Open		
TTL Voltage	0-0.8 V(OFF) 2.4-5 V(ON)		
Switch Sequence	Break before make		
Termination Power CW	2 W		
Switching time	15 ms Max		
Standard Actuator Life	2 million Min		
Actuator Voltage Available	12	24	28 V
Actuator current	300	160	140 mA



RF Specifications:

Frequency (GHz)	DC-6	6-12	12-18	18-26.5	26.5-40
Insertion Loss (dB max.)	0.3	0.4	0.5	0.8	1.3
Isolation (dB min.)	70	60	60	55	50
VSWR (max.)	1.3:1	1.4:1	1.5:1	1.9:1	2.1:1
RF Power CW (Watts max.)	80	50	45	15	8

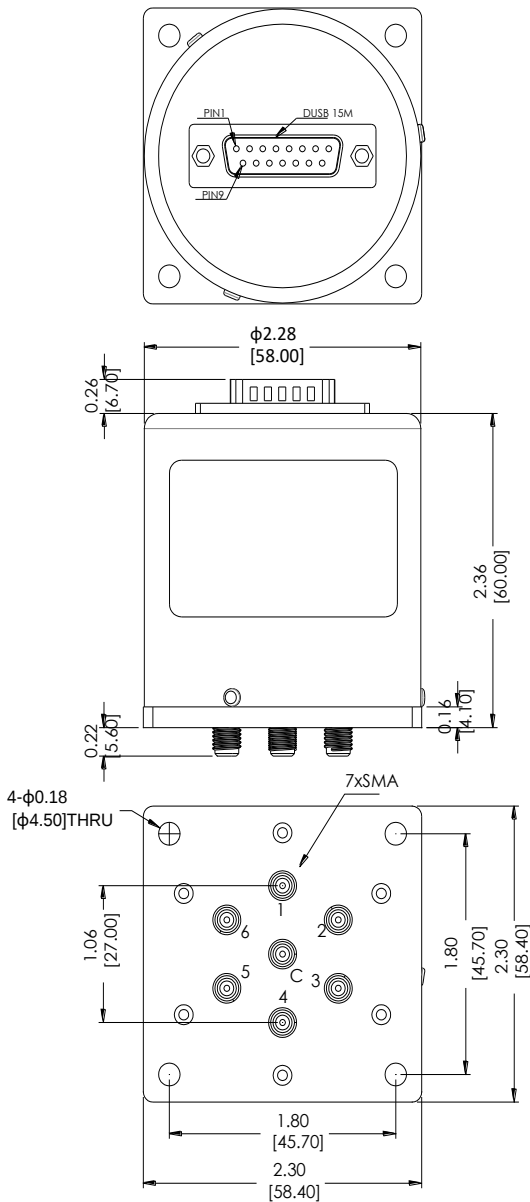
Envrionmental And Physical Characteristics:

Parameter	Value
OperatingTemperature	-25°C to +65°C(Standard) -55°C - +85°C(Optional)
Vibration(operating)	10G RMS, 20-2000HZ
Shock(non operating)	50G, 1/2Sine, 12msec
Connector Type	2.92mm Female
Control Connector	D-SUB 15 PIN Male
Weight	350g Max

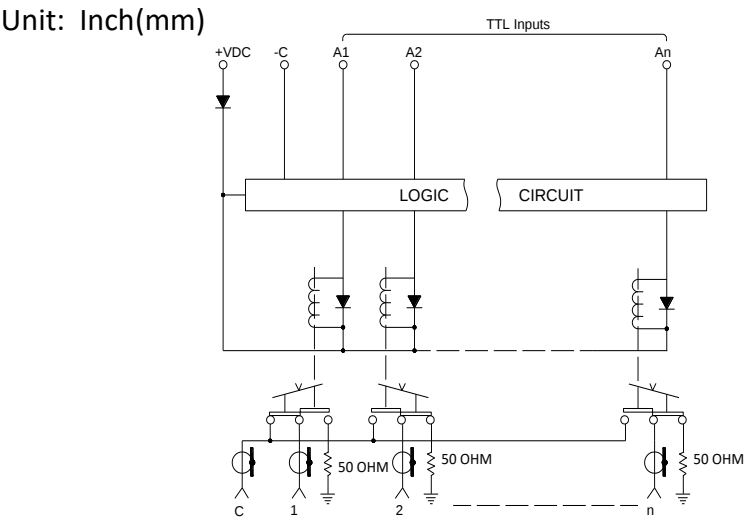
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Outline Drawing:



Schematic:



15 PIN D-SUB		RF Connect Used			
Pin NO	FUNCTION	SP3T	SP4T	SP5T	SP6T
1	A1	1	1	1	1
2	A2		2	2	2
3	A3	3		3	3
4	A4		4	4	4
5	A5	5	5	5	5
6	A6				6
7	-COM				
8	NC				
9	NC				
10	NC				
11	NC				
12	NC				
13	NC				
14	NC				
15	+VDC				

Part Number :

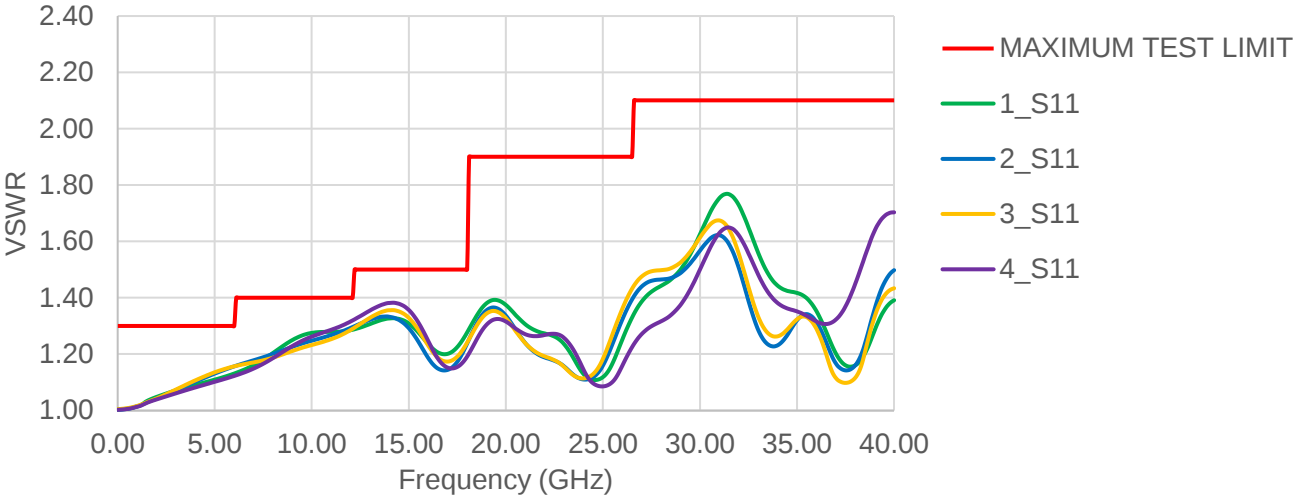
Part Number				Actuator voltage	Option
SP3T	SP4T	SP5T	SP6T		
LF-SP3T-1240-DT	LF-SP4T-1240-DT	LF-SP5T-1240-DT	LF-SP6T-1240-DT	12 V	-S(-55°C - +85°C)
LF-SP3T-2440-DT	LF-SP4T-2440-DT	LF-SP5T-2440-DT	LF-SP6T-2440-DT	24 V	
LF-SP3T-2840-DT	LF-SP4T-2840-DT	LF-SP5T-2840-DT	LF-SP6T-2840-DT	28 V	

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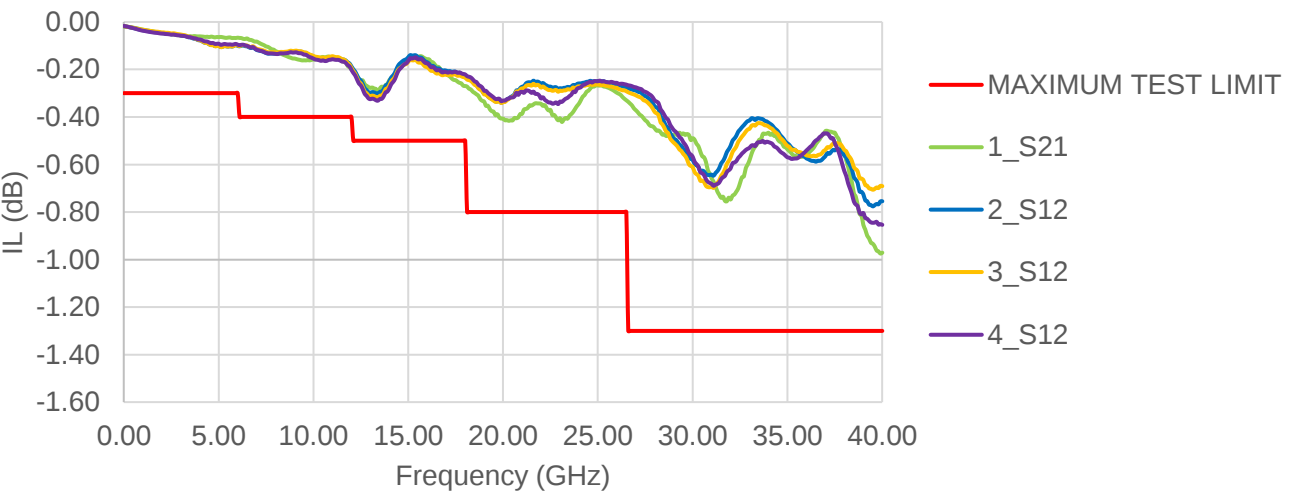


Typical Performance Data:

VSWR



INSERTION LOSS



ISOLATION

