



DPDT Electromechanical Switch

Pulse Latching, DC to 18 GHz, TTL, SMA, Indicators, D-SUB

Electrical Characteristics:

Parameter	Condition
Frequency Range	DC-18GHz
RF Impedance	50 Ohms
Operation Mode	Pulse Latching
Switch Sequence	Break before make
Switching time	15 ms Max
Standard Actuator Life	2 million Min
TTL Voltage	0-0.8 V(OFF) 2.4-5 V(ON)
Actuator voltage Available	12 24 28 V
Actuator current	380 200 180 mA
Indicator Specifications	Max withstand voltage: 60V Max current capacity: 100mA Max "ON" resistance: 16Ω



RF Specifications:

Frequency (GHz)	DC-6	6-12	12-18
Insertion Loss (dB max.)	0.2	0.3	0.4
Isolation (dB min.)	70	70	60
VSWR (max.)	1.3:1	1.4:1	1.5:1
RF Power CW (Watts max.)	80	60	50

Environmental And Physical Characteristics:

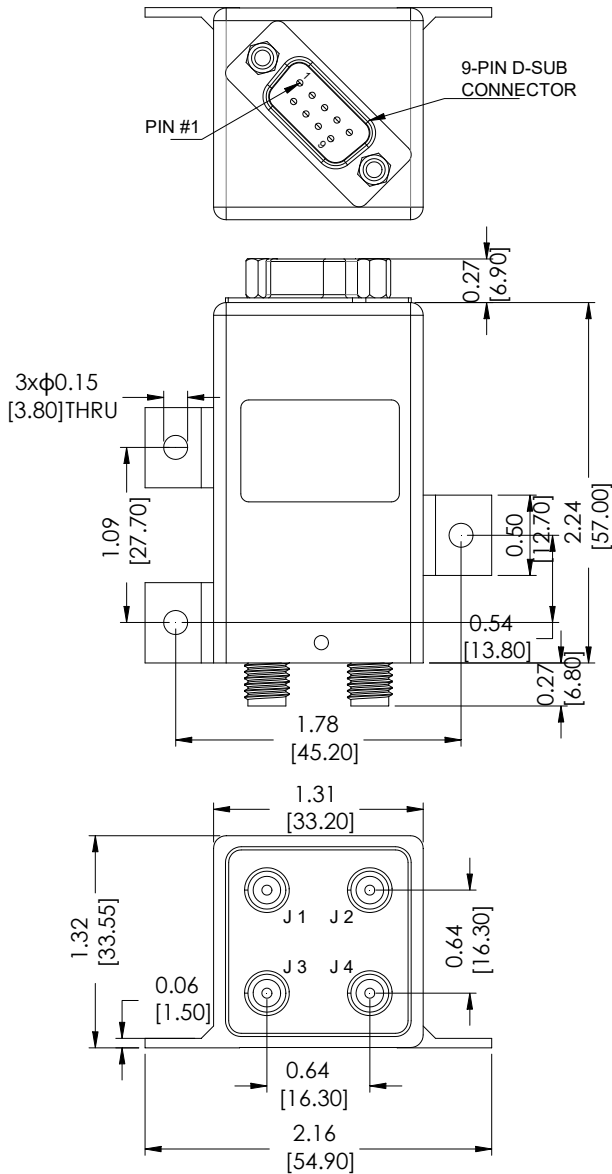
Parameter	Condition
Operating Temperature	-25°C to +65°C (Standard) -55°C - +85°C (Optional)
Vibration (operating)	10G RMS, 20-2000HZ
Shock (non operating)	50G, 1/2 Sine, 12msec
Connector Type	SMA Female
Control Connector	D-SUB 9pin Male
Weight	120g Max



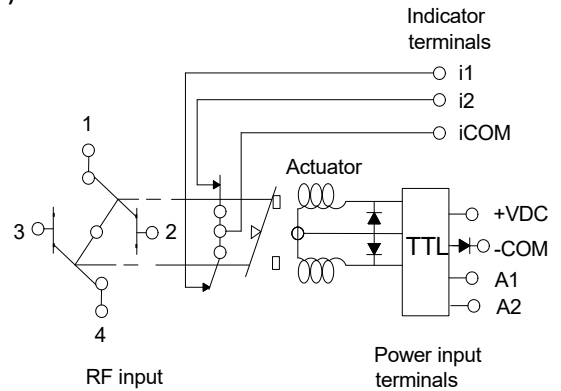
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Outline Drawing:

Unit: Inch(mm)



Schematic:



9 PIN D-SUB		RF Connect Used
Pin NO	FUNCTION	DPDT
1	A1	POS1:J1-J3,J2-J4
2	A1	POS2:J1-J2,J3-J4
3	-COM	
4	NC	
5	i1	POS1:J1-J3,J2-J4
6	i2	POS2:J1-J2,J3-J4
7	iCOM	
8	NC	
9	+VDC	

Outline Drawing:

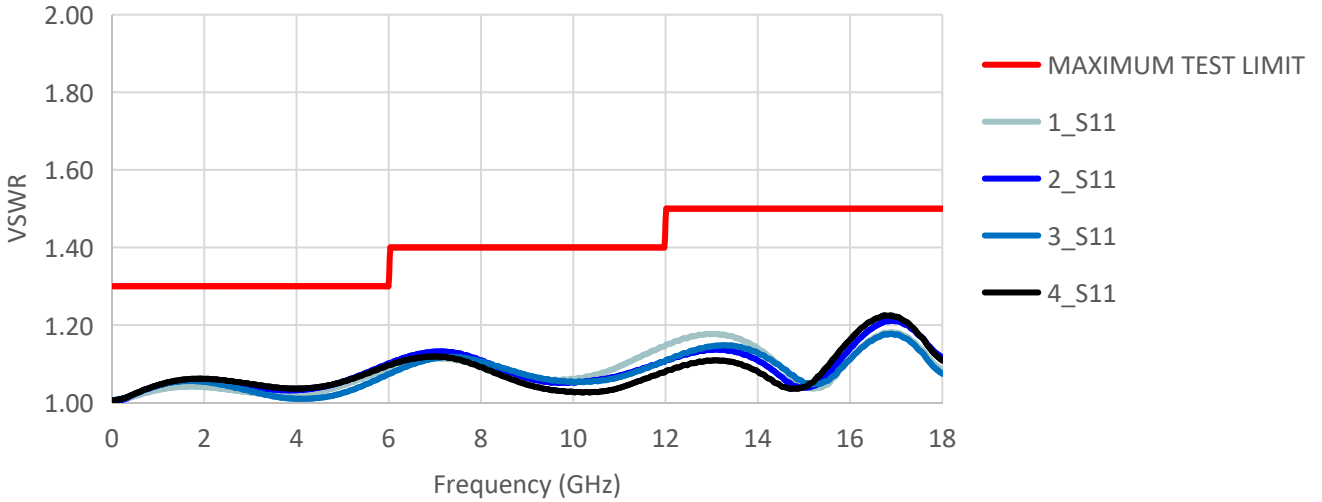
Model	Actuator voltage	Option
R22-SF12T18-DI	12 V	-S(-55°C - +85°C)
R22-SF24T18-DI	24 V	
R22-SF28T18-DI	28 V	



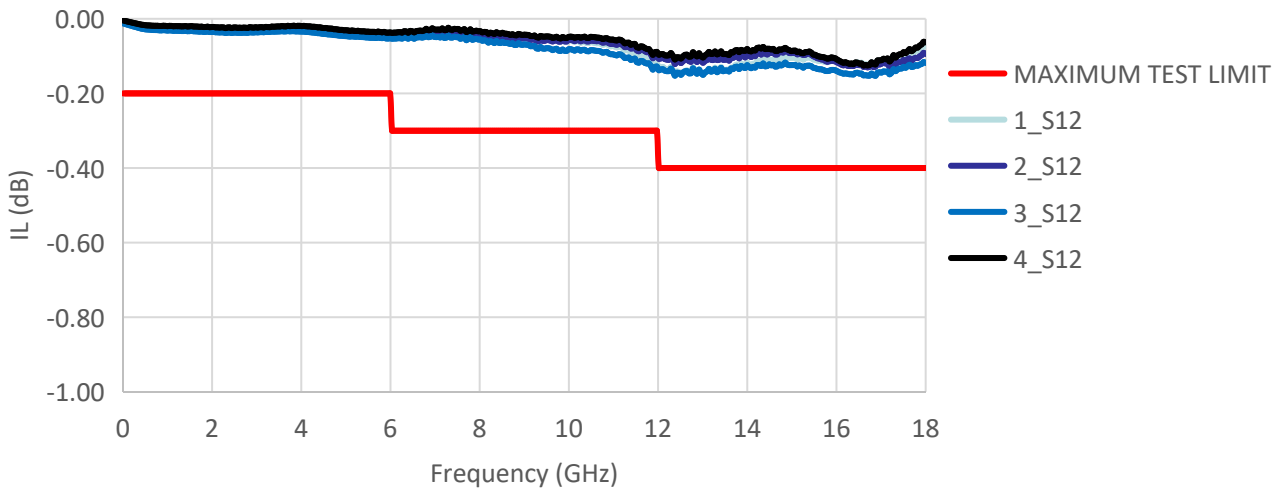
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Typical Performance Data:

VSWR



INSERTION LOSS



ISOLATION

