

**DPDT Coaxial Switch, 2.92mm, Failsafe, DC tp 40 GHz, DSUB-9**

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**Electrical Characteristics:**

Parameter	Condition
Frequency range	DC-40GHz
Impedance	50 Ω
Operation mode	Failsafe
Switch sequence	Break before make
Switching time	15 ms max
Mechanical life	1 million min
Rated voltage	12      24      28 VDC
Operating current at 23 °C	380      200      180 mA

**RF Specifications:**

FREQUENCY RANGE(GHz)	DC-6	6-12	12-18	18-26.5	26.5-40
INSERTION LOSS (MAX) dB	0.2	0.25	0.4	0.9	1.3
ISOLATION (MIN) dB	70	70	60	55	50
V.S.W.R. (MAX)	1.3	1.4	1.5	1.7	2.0

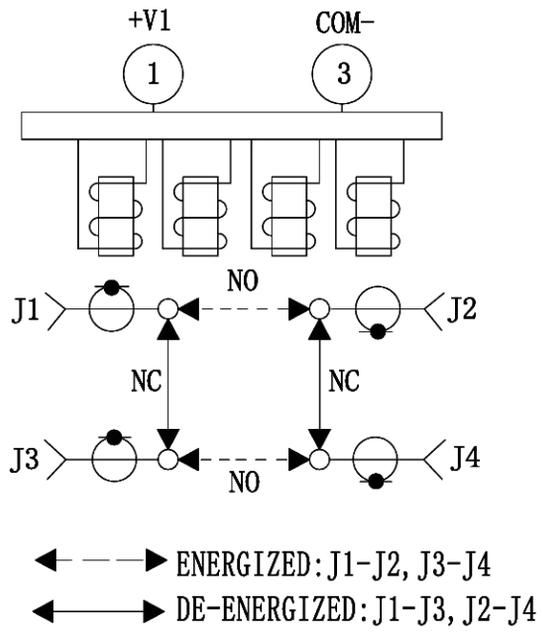
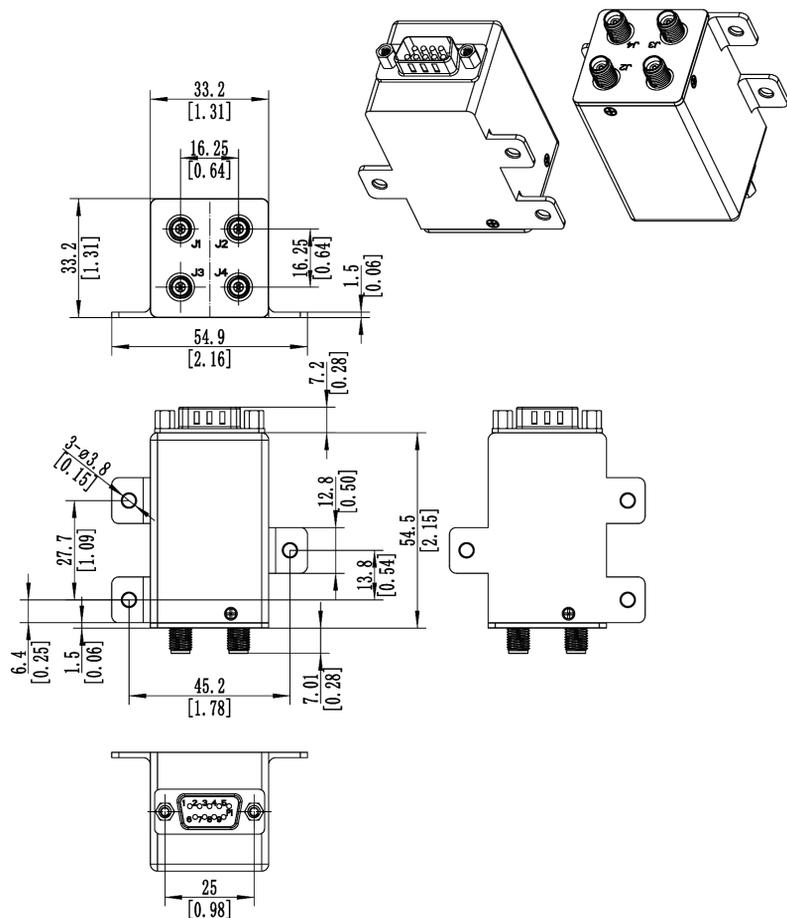
**Envrionmental And Physical Characteristics:**

Parameter	Condition
Operating temperature range	-25°C to +65°C(Standard ) -55°C to +85°C(Optional)
Sine vibration(Operating)	20-2000Hz , 10g
Shocks(Non Operating)	50g / 11ms, ½ sine
RF Connector type	2.92mm Female
Control connector	D-SUB 9 Pin Male
Weight	120g Max

**Outline Drawing:**

**Schematic:**

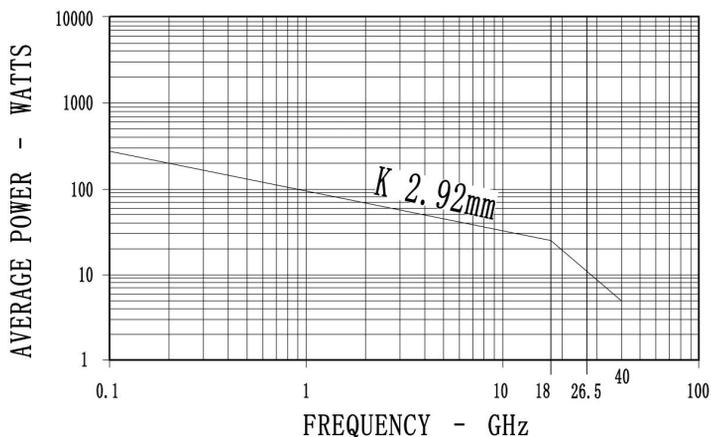
Unit: mm



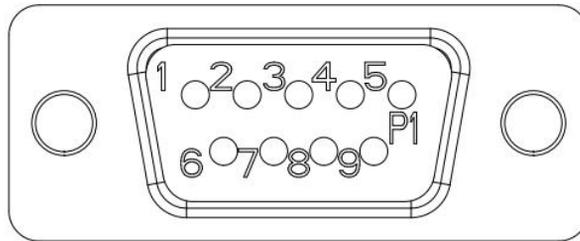
This graph is based on the following conditions:

- Ambient temperature: + 25 °C
- Sea level
- V.S.W.R.: 1 and cold switching

**Average power:**



**Pin Definition:**



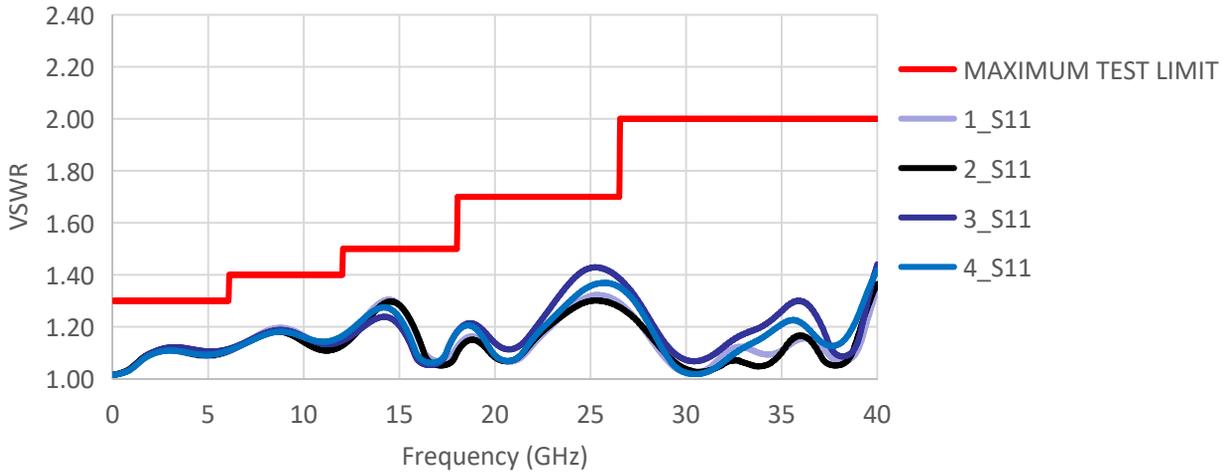
9 PIN D-SUB		RF Connect Used
Pin NO.	Function	DPDT
1	+V1	NO:J1 -J2,J3 -J4
	0	NC:J1 - J3,J2 - J4
2	UNUSED	
3	COM-	
4-9	UNUSED	

**Part Number:**

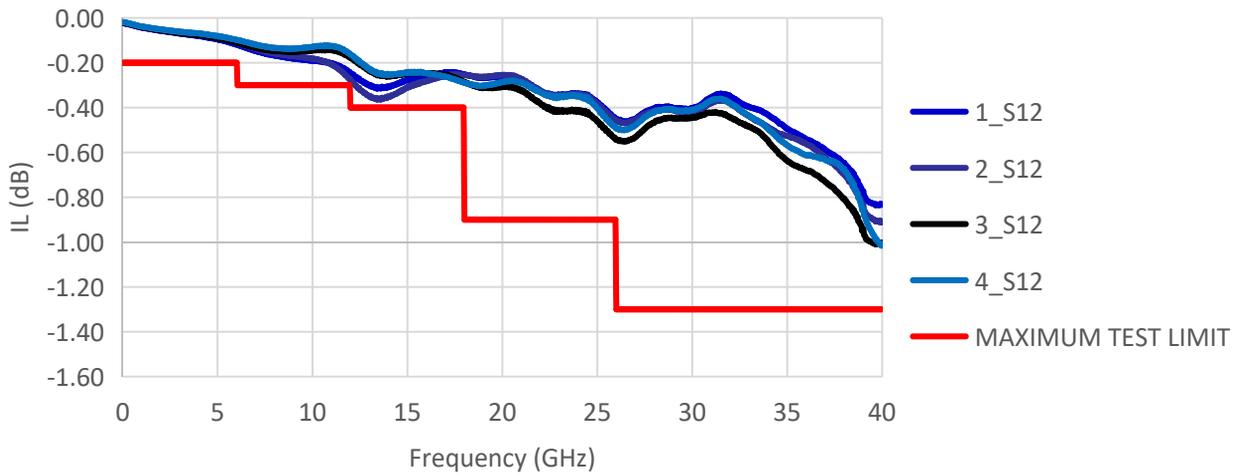
Part Number	Actuator voltage	Option
DPDT		
DPDT-V12T40	12VDC	-S Complies with IP65 standart
DPDT-V24T40	24VDC	
DPDT-V28T40	28VDC	

Typical Performance Data:

VSWR



INSERTION LOSS



ISOLATION

