

## SPDT Electromechanical Switch, Terminated, Failsafe, DC to 50 GHz, 2.4mm, Solder Pins

### Electrical

Switch Type	SPDT, Terminated			
Actuator Type	Failsafe			
Switching Sequence	Break before make			
Switching Time	15 ms max			
Impedance	50 Ohms			
Frequency Range	DC-50 GHz			
*Nominal Actuating Voltage, Vdc	12 (11 to 13)	18 (16 to 20)	24 (22 to 26)	28 (26 to 30)
Actuating Current, mA	380	280	200	170



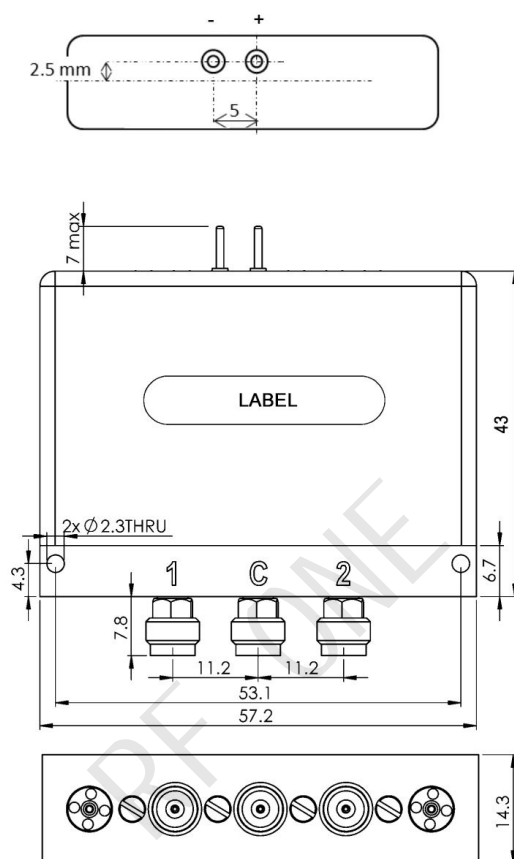
Frequency (GHz)	DC-6	6-12	12-18	18-26.5	26.5-32	32-40	40-50
VSWR (max)	1.2	1.3	1.4	1.7	1.9	2.0	2.0
Insertion Loss dB (max)	0.20	0.25	0.40	0.70	0.80	1.00	1.10
Isolation dB (min)	70	70	60	55	50	50	50

### Environmental & Mechanical

Operating Temperature	-25°C ~ +65°C
Storage Temperature	-55°C ~ +85°C
Shock (Designed to meet)	MIL-STD-202 Method 213, Condition D, 500G (Non Operating)
Vibration (Designed to meet)	MIL-STD-202 Method 214, Condition D, 10G RMS (Non Operating)
Operating Life	3 Million Cycles Minimum
RF Connector	2.4mm Female
Actuator Terminals	Solder pins
Weight	About 90g

### Notes

\*For model RS2T-Q50FXX, replace the XX with the desired Actuator Voltage. Example: RS2T-Q50F12 for 12 Volts.

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**Drawing** (unit: mm, tolerance +/-0.5mm)

**Schematic**

Position: De-energized

