

Miniature Surface Mount Coaxial Switches

RLC Electronics' miniature surface mount coaxial switch is a single pole two position type. The switch provides extremely high reliability, long life, and excellent electrical performance characteristics in a miniature package. The power consumption is approximately one half that of the miniature connectorized switches. The switch is available with a choice of four different operating frequencies, three coil voltages, and two different pin configurations.



Specifications

SR-2-min-min¹⁻²⁻³

Switch Type	Single pole two position			
Frequency (GHz)	DC-2.0	2.0-5.0	5.0-12.4	12.4-18
Insertion Loss (Max dB)	0.2	0.3	0.4	0.7
VSWR (Max)	1.3	1.4	1.5	1.7
Isolation (dB Min)	70	60	50	40

Power Rating, RF Cold See page 75

Switching:

Impedance: 50 ohms

Operating Power: 5vdc at 310mA
25 deg C 12vdc at 130mA
(ma nominal) 28vdc at 75mA

Connectors: RF and power: .018 DIA. Pins

Life: 1,000,000 operations

Switching Time: 15 milliseconds max.

Weight: 0.6 oz.

Environmental MIL- DTL-3928

Conditions:

Operating Mode: Failsafe or latching

Switching Sequence: Break before make

To designate the Switch desired use:

(1) 'H' for 12-15 volts coil
'D' for 24-28 volts coil
'E' for 5 volt coil

(3) 'L' for pulse latching

(2) '2' for DC-2GHz
'5' for DC-5 GHz
'12' for DC-12.4 GHz
'18' for DC-18 GHz

(4) 'A' for Figure 1 (pin configuration)
'B' for Figure 2 (pin configuration)

Example: SR-2min-min-D-2-A is a SPDT, 24-28vdc, DC-2 GHz, failsafe switch. (per Figure 1)

SR-2min-min-D-2-L is a SPDT, 24-28vdc, DC-2 GHz latching switch. (per Figure 3)

Outline Drawing

