

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, two coil voltages, and two different pin configurations.

Specifications

SR-2MIN-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 Switching: See page 5.

Impedance: 50 ohms

Operating Power 25°C (ma nominal):

(Failsafe): 12 Vdc at 130 ma 28 Vdc at 75 ma

Connectors, RF and Power: .018 DIA. Pins

Life: 1,000,000 operations

Switching Time: 15 milliseconds max.

Weight: 0.6 oz.

Environmental Conditions: MIL-S-3928

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

'2' for DC - 2 GHz '5' for DC - 5 GHz

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

(3) 'L' Latching.

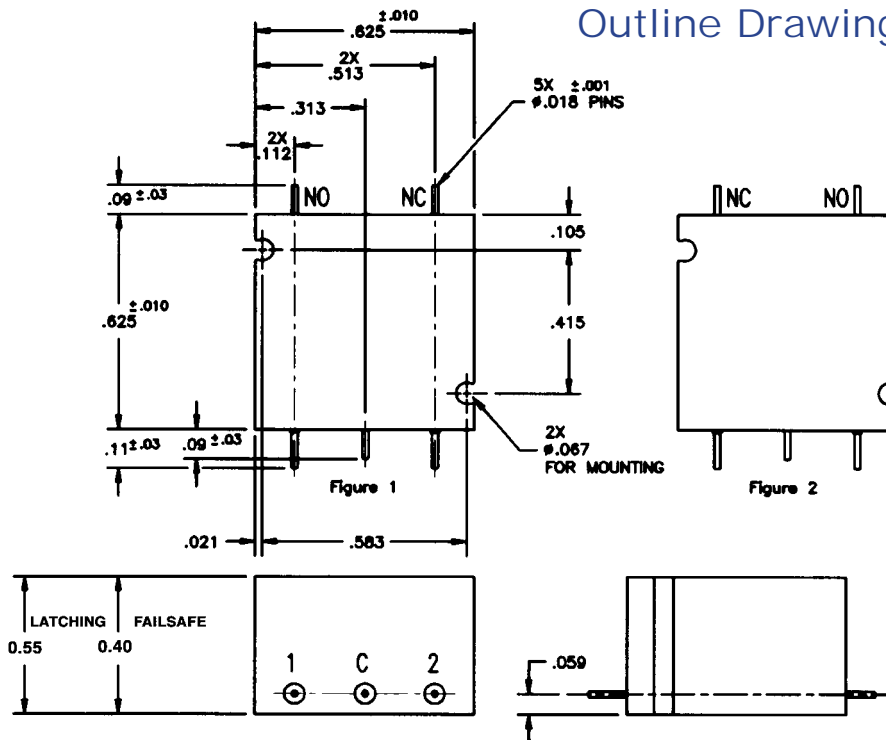
(4) 'A' for Figure 1 (Pin Configuration)

'B' for Figure 2 (Pin Configuration)

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

SR-2min-min-D-L-2-A is a SPDT, 24-28 Vdc, DC-2 GHz, latching switch.

Outline Drawing



RLC ELECTRONICS, INC.

83 Radio Circle, Mount Kisco, New York 10549 • Telephone: 914-241-1334 • Fax: 914-241-1753
e-mail: sales@rlcelectronics.com • www.rlcelectronics.com