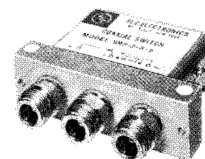


High Power Coaxial Switches



RLC Electronics' High Power Coaxial Switch is a single pole, two position type providing extremely high reliability, long life and excellent electrical performance over the frequency range of DC-6 GHz. The switches will handle 2000 Watts at 100 MHz

to 400 Watts at 6 GHz. The switches utilize thermally conductive, dielectric insulators to allow high power handling capabilities. The package utilizes high density packaging techniques, volume of the switch is less than 6 cubic inches.

Specifications

S'P-2²⁻³⁻⁴⁻⁵⁻⁶

Switch Type	SINGLE POLE TWO POSITION	
Frequency Range	DC-6 GHz	
Insertion Loss (Max dB)	DC-4.0	4.0-6.0
	0.2	0.5
VSWR (Max)	1.25	1.5
Isolation (dB)	60	60

Power Rating, RF Cold Switching: See page 5.

Impedance: 50 Ohms/75 Ohms.*

Operating Power 25°C:

(Failsafe): 12Vdc at 575 ma nom. 28Vdc at 200 ma nom. 115 Vac at 50 ma nom.

(Latching): 12 Vdc at 1 amp nom. 28 Vdc at 430 ma nom. 115 Vac at 50 ma nom. Current applied 10 ms min. cutthroat circuitry(standard), recovery time 100 ms nom.

Connectors, RF: N, SC, HN, TNC, Female

(HN not recommended for use above 4GHz)

Connectors, Power: Feed through solder lugs.

Life: 1,000,000 operations.

Switching Time: 20 mS Max.

Weight: 12 oz.

Environmental Conditions: MIL-S-3928

Operating Mode: Manual, failsafe or latching.

Switching Sequence: Break before make.

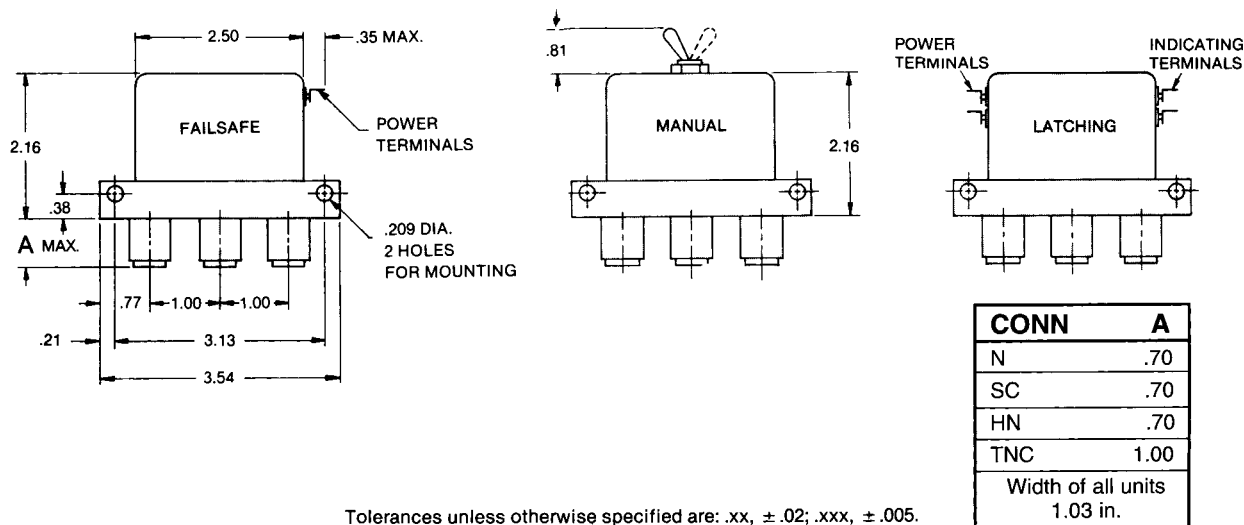
*75 ohm up to 3 GHz.

To designate the switch desired use:

- | | |
|--|--|
| (1) "M" for Manual, "R" for Remote. | (4) "I" for indicators if desired. |
| (2) "S" for SC, "H" for HN, "N" or "T" for TNC | (5) "L" for latching cutthroat if desired. |
| (3) "A" for 115 Vac, "D" for 28 Vdc or "H" for 12 Vdc. | (6) "TL" for TTL Driver if desired |

Example: SRP-2-S-D-I is a remote, SC Connectors, 28 Vdc; with indicators, Failsafe operation switch 50 ohms for 75 ohms SRP75-2- - -

Outline Drawing



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