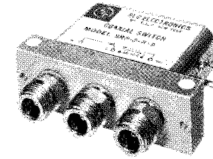


# High Power Coaxial Switches



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-2<sup>2-3-4-5-6</sup>

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.

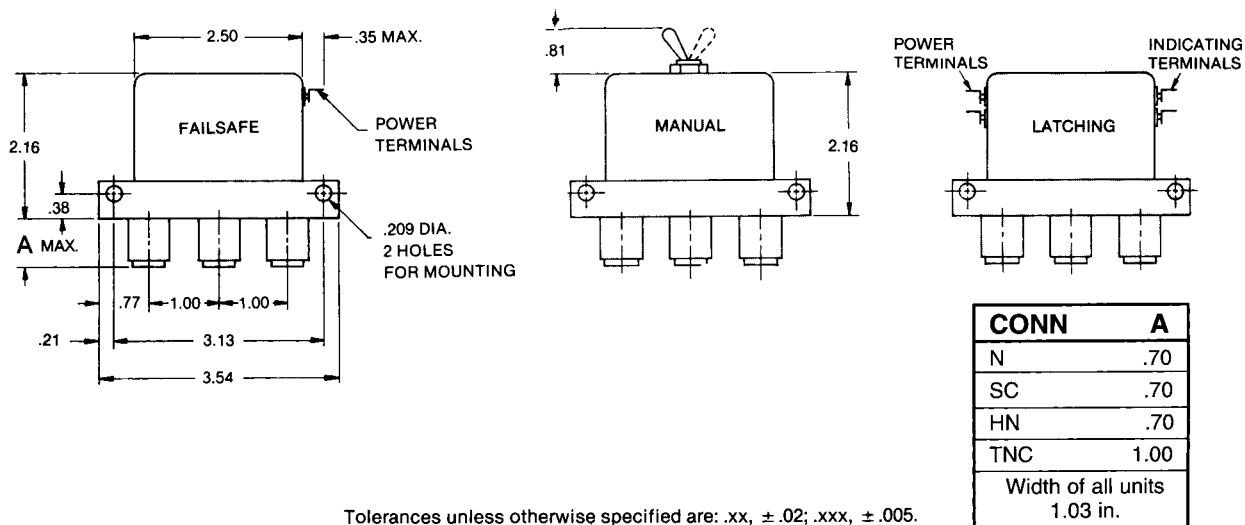
To designate the switch desired use:

- (1) "M" for Manual, "R" for Remote.
- (2) "S" for SC, "H" for HN, "N" or "T" for TNC
- (3) "A" for 115 Vac, "D" for 28 Vdc or "H" for 12 Vdc.

- (4) "I" for indicators if desired.
- (5) "L" for latching cutthroat if desired.
- (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



Tolerances unless otherwise specified are: .xx, ± .02; .xxx, ± .005.



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