

Terminated SPDT Coaxial Switches



This RLC Electronics' Terminated Single Pole, Two Position Coaxial Switch provides proven reliability, long life and excellent electrical performance. It features extremely low insertion loss and VSWR over the entire DC-18GHz range

while maintaining high isolation. Standard RF power rating is 2 watts cw limited by the termination. Terminations can be provided in either an internal or external configuration, or can be replaced by SMA connectors for special applications .

STR-2-1-2-3-4

Switch Type	SINGLE POLE TWO POSITION		
Frequency Range	DC-18 GHz (usable to 26 GHz)		
Insertion Loss (dB Max.)	DC-4.0	4.0-12.4	12.4-18.0
		0.1	0.2
VSWR (Max.)	1.2	1.3	1.5
Isolation (dB Min.)	80	70	60

Power Rating: RF Cold Switching: 2 watts average

Impedance: 50 Ohms/75 Ohms.*

Operating Power 25° C:

(Failsafe): 12Vdc at 510ma nom, 28Vdc at 280ma nom, 115 Vac at 50 ma nom

(Latching): 12Vdc at 470ma nom. 28Vdc at

300ma nom. Current applied 10 ms min.cutthroat circuitry (standard), recovery time 100ms nom.

Connectors, RF: SMA, female

Connectors, Power: Feed through solder lugs.

Life: 1,000,000 operations

Switching Time: 25ms Max

Weight: 4 oz.

Environmental Conditions: MIL-DTL-3928

Operating Mode: Failsafe or Latching

Switching Sequence: Break before make

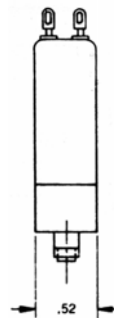
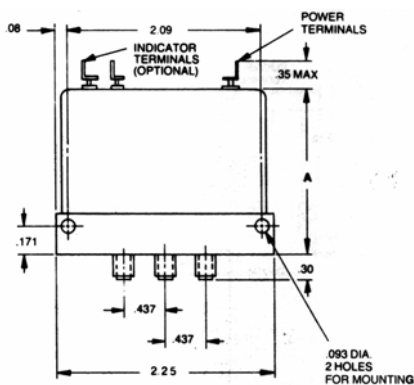
*75 ohm up to 3GHz

To designate the Switch desired use:

- (1) "A" for 115 Vac, "D" for 28 Vdc or "H" for 12 Vdc
- (2) "I" for indicators if desired
- (3) "L" for latching cutthroat if desired
- (4) "TL" for TTL Driver if desired

Example: STR-2-D is a SPDT, 28 Vdc, without indicators, failsafe switch 50 ohms for 75 ohms STR75-2

Outline Drawing



OPERATING MODE	A
STR-2-D	2.10
STR-2-D-L	2.28
STR-2-H-I-L-TL	2.75

Specifications subject to change without notification.

Tolerances unless otherwise specified are .xx +/- .02, xxx +/- .005

Specials requiring closer tolerances, different frequency ranges, special connectors, different materials, finishes, etc. can be furnished upon request.



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