

# Terminated Multi-Position Coaxial Switches (3 to 6 Position)



RLC Electronics' Terminated Multi-Position Coaxial Switch line provides proven reliability, long life and outstanding electrical performance and features extremely low insertion

loss and VSWR over the entire DC-18 GHz range, while maintaining high isolation.

## Specifications

STR<sup>1-2-3-4-5-6</sup>

RF Positions	3	4	5	6	ALL*
Switch Type:	SP-3T	SP-4T	SP-5T	SP-6T	OPT 26
Frequency Range:(GHz)	DC-18	DC-18	DC-18	DC-18	18-26.5
Insertion Loss (Max dB)					
DC-4 GHz	0.20	0.20	0.20	0.20	1.00
4.0-12.4 GHz	0.30	0.30	0.30	0.30	
12.4-18.0 GHz	0.50	0.50	0.50	0.50	
VSWR (Max)					
DC-4 GHz	1.25	1.25	1.25	1.25	1.80
4.0-12.4 GHz	1.40	1.40	1.40	1.40	
12.4-18.0 GHz	1.50	1.50	1.50	1.50	
Isolation (dB) (Min)	60	60	60	60	40

**Power Rating, RF Cold Switching:** 2 watts average

**Impedance:** 50 Ohms

**Operating Power 25°C:**

(Failsafe): 12Vdc at 600 ma nom.

28Vdc at 260 ma nom. 115Vac at 40 ma nom.

(Latching) 12 Vdc at 480ma nom. 28Vdc at 240ma nom.

115 Vac at 225 ma nom. Cutthroat circuitry (standard), recovery time 100ms nom.

**Connectors, RF:** SMA Female

**Life:** 1,000,000 operations.

**Switching Time:** 25 mS Max. failsafe 125 ms latching

**Weight:** 20oz.

**Environmental Conditions:** MIL-S-3928

**Operating Mode:** Failsafe or latching

**Switching Sequence:** Break before make.

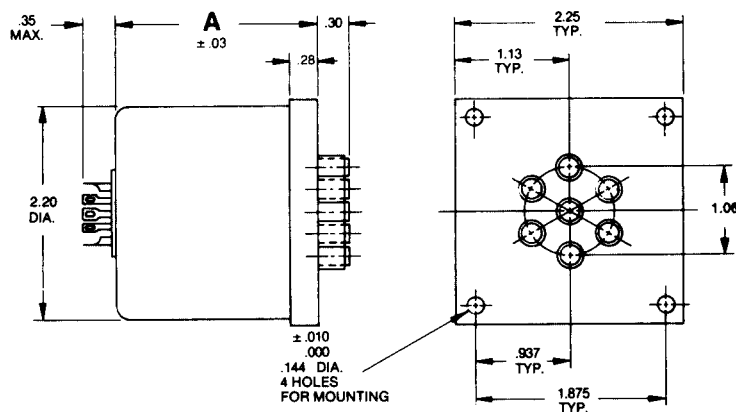
### To designate the switch desired use:

- (1) "3", "4", "5" or "6" throw operation
- (2) "A" for 115 Vac, "D" for 28 Vdc or "H" for 12 Vdc
- (3) "I" for indicators if desired.

- (4) "L" for Latching cutthroat if desired
- (5) "TL" for TTL Driver if desired
- (6) "26" for 26.5 GHz options.

Example: STR-3-D is a SP-3T, 28 Vdc, without indicators, failsafe switch.

## Outline Drawing



3 TO 6 POSITIONS

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

MODEL NO.	A
STR- *-D	2.79
STR- *-D-I	3.40
STR- *-D-L	4.03
STR- *-D-I-L	4.03
STR- *-D-TL	3.43
STR- *-D-I-TL	3.75
STR- *-D-I-L-TL	4.25
STR- *-H same as STR- *-D	



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