

# DC-40 GHz Terminated SPDT Coaxial Switches



RLC ELECTRONICS' Terminated Single Pole, Two Position Coaxial Switch line provides proven reliability, long life and excellent electrical performance. This switch features

extremely low insertion loss and VSWR over the entire DC-40 GHz range while maintaining high isolation.

## Specifications

### STR-2-1-2-3-4-5

SWITCH TYPE	SINGLE POLE TWO POSITION				
Frequency Range	DC-40 GHz				
Frequency (GHz)	DC-4.0	4.0-12.4	12.4-18	18-26.5	26.5-40.0
Insertion Loss (dB Max.)	0.2	0.4	0.5	0.7	0.9
VSWR (Max.)	1.25	1.4	1.5	1.7	2.0
Isolation (dB Min.)	80	70	60	55	50

**Power Rating:** RF Cold Switching: 2 watts average  
**Impedance:** 50 ohms

**Operating Power 25 Degree C:**

(Failsafe): 12Vdc at 510ma nom, 28Vdc at 280ma nom  
 (Latching): 12Vdc at 470ma nom. 28Vdc at 300ma nom.  
 Cutthroat circuitry (standard), recovery time 100ms nom.

**Connectors, RF:** 2.92 mm 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

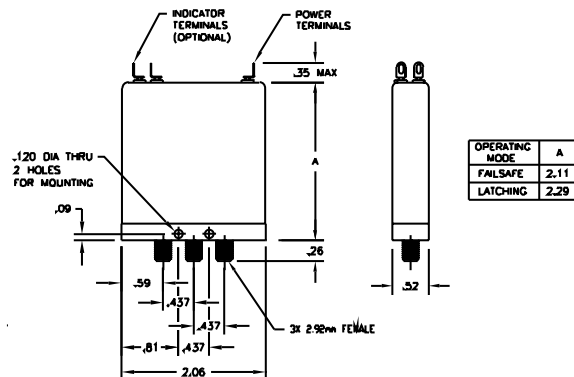
**Switching Sequence:** Break before make

**To designate the switch desired use:**

- (1) "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
- (5) "40" for 40 GHz

Example: STR-2-D-40 is a SPDT, 28 Vdc, without indicators, failsafe switch that operates at DC to 40GHz.

### OUTLINE DRAWING



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.



## RLC ELECTRONICS, INC.

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