

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



RLC Electronics' Miniature Terminated Multi-Position Coaxial Switch line provides proven reliability, long life and outstanding electrical

performance. This switch features low current and a significantly reduced height suitable for high density packaging applications.

Specifications

STR-1min-2-3-4-5-6

SWITCH TYPE	SP-3T thru SP-6T			
Frequency Range	DC-18 GHz			OPT 26
Frequency (GHz)	DC-4.0	4.0-12-4	12.4-18	18-26.5
Insertion Loss (dB Max.)	0.20	0.30	0.50	1.00
VSWR (Max.)	1.25	1.40	1.50	2.00
Isolation (dB Min.)	60	60	60	40

Power Rating: RF Cold Switching: 2 watts average

Impedance: 50 ohms

Operating Power 25 Degree C:

(Failsafe): 12Vdc at 500ma nom, 28Vdc at 250ma nom
(Latching): 12Vdc at 300ma nom. 28Vdc at 160ma nom.
Cutthroat circuitry (standard), recovery time 100ms nom.

Connectors, RF: SMA female

Life: 1,000,000 operations

Switching Time: 25ms Max. failsafe 125ms latching

Environmental Conditions: MIL-DTL-3928

Operating Mode: Failsafe or Latching

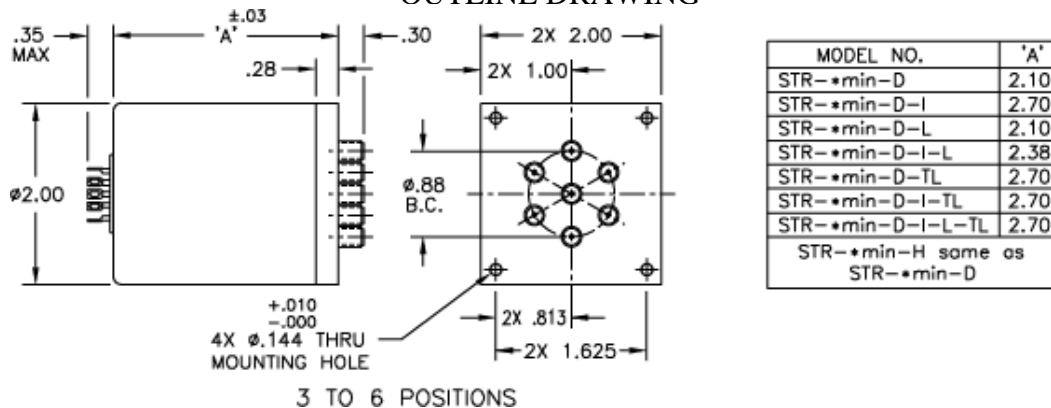
Switching Sequence: Break before make

To designate the switch desired use:

- | | |
|---|--|
| 1) "3", "4", "5" or "6" throw operation | 4) "L" for Latching cutthroat if desired |
| 2) "D" for 28 Vdc or "H" for 12 Vdc | 5) "TL" for TTL Driver if desired |
| 3) "I" for indicators if desired. | 6) "26" for 26.5GHz option |

Example: STR-3min-D is a SP-3T, 28 Vdc, without indicators, failsafe switch that operates at DC to 18GHz.

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.



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