Terminated Multi-Position Coaxial Switches (7 to 10 Position)

RLC Electronics' Terminated 7-10 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. Standard RF power rating is 2 watts cw limited by the termination.

Specifications

STR[1-2-3-4-5]

RF Positions	7	8	9	10
Switch Type:	SP-7T	SP-8T	SP-9T	SP-10T
Frequency Range:(GHz)	DC-18	DC-18	DC-18	DC-18
Insertion Loss (Max dB)				
DC-6 GHz	0.30	0.30	0.30	0.30
6.0-12.0 GHz	0.50	0.50	0.50	0.50
12.0-16.0 GHz	0.70	0.70	0.70	0.70
16.0-18.0 GHz	1.00	1.00	1.00	1.00
VSWR (Max)				
DC-6 GHz	1.40	1.40	1.40	1.40
6.0-12.0 GHz	1.50	1.50	1.50	1.50
12.0-16.0 GHz	1.70	1.70	1.70	1.70
16.0-18.0 GHz	1.80	1.80	1.80	1.80
Isolation (dB) (Min)	60	60	60	60

Power Rating, RF Cold Switching: 2 watts average
Impedance: 50 Ohms
Operating Power 25°C:
(Failsafe): 12Vdc at 325 ma nom.
28Vdc at 190 ma nom. 115Vac at 20 ma nom.
(Latching) 12Vdc at 480ma nom.
28Vdc at 280ma nom. 115 Vac at 225 ma nom.
Cutthroat circuitry (standard),recovery time 100ms nom.

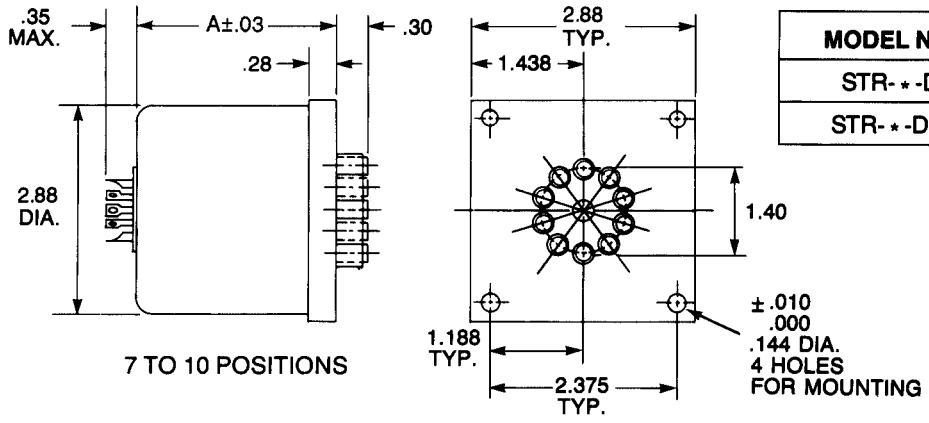
Connectors, RF: SMA Female
Life: 1,000,000 operations.
Switching Time: 25 mS Max. (failsafe) 125 ms (latching)
Weight: 30 oz.
Environmental Conditions: MIL-S-3928
Operating Mode: Failsafe/Latching
Switching Sequence: Break before make..

To designate the switch desired use:

(1) "7", "8", "9" or "10" 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

Example: STR-10-D is a SP-10T, 28 Vdc, Terminated, failsafe switch

Outline Drawing



MODEL NO.	A
STR-*-D	3.97
STR-*-D-L	4.03

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

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