

Type C Multi-Position Coaxial Switches (3 to 6 Position)



This RLC Electronics' Basic Mid-Size Multi-Position Coaxial Switch line provides up to 6 positions with extremely high reliability, long life and outstanding electrical performance.

It features extremely low insertion loss and VSWR over the entire frequency range, while maintaining high isolation.

Specifications

S¹⁻² C⁻³⁻⁴⁻⁵⁻⁶⁻⁷

RF Positions	3-6	3-6	3 to 6 for OPTION 40	
Switch Type:	SP-3T...6T	SP-3T...6T	SP-3T-40	SP-6T-40
Frequency Range:(GHz)	DC-18	DC-26.5	DC-40	
Insertion Loss (Max dB)			Ins. Loss: (dB Max)	
DC-4.0 GHz	0.20	0.20	DC-6.0	0.25
4.0-12.4 GHz	0.30	0.30	6.0-12	0.40
12.4-18 GHz	0.50	0.50	12-18.5	0.50
18-26.5 GHz (option 26)	-	0.75	18.5-26.5	0.75
			26.5-40	0.90
VSWR (Max)			VSWR: (Max)	
DC-4 GHz	1.25	1.25	DC-6.0	1.30
4.0-12.4 GHz	1.40	1.40	6.0-12	1.40
12.4-18 GHz	1.50	1.50	12-18.5	1.50
18-26.5 GHz (option 26)	-	1.80	18.5-26.5	1.70
			26.5-40	2.00
Isolation (dB Min)			Insolation: (dB Min)	
DC-18 GHz	60	60	DC-18.5	60
18-26.5 GHz (option 26)	-	40	18.5-26.5	55
			26.5-40	45

Power Rating, RF Cold Switching: See page 5.

Impedance: 50 Ohms

Operating Power 25°C:

(Failsafe): 12Vdc at 400 ma nom.

28Vdc at 150 ma nom. 115 Vac at 50 ma nom.

(Latching): 12 Vdc at 462 ma nom.

28 Vdc at 400 ma nom. 115 Vac at 225 ma nom.

Cutthroat circuitry (standard), recovery time 100ms nom.

Connectors, RF: SMA Female

Connectors, Power: Feed through solderlugs.

Life: 1,000,000 operations.

Switching Time: 15 mS Max. Failsafe 125mS latching

Weight: 10oz.

Environmental Conditions: MIL-S-3928

Operating Mode: Manual, failsafe or latching.

Switching Sequence: Break before make.

To designate the switch desired use:

(1) "M" for Manual, "R" for Remote.

(2) "3C", "4C", "5C" or "6C" throw operation

(3) "A" for 115 Vac. "D" for 28 Vdc or "H" for 12 Vdc.

(4) "I" for indicators if desired.

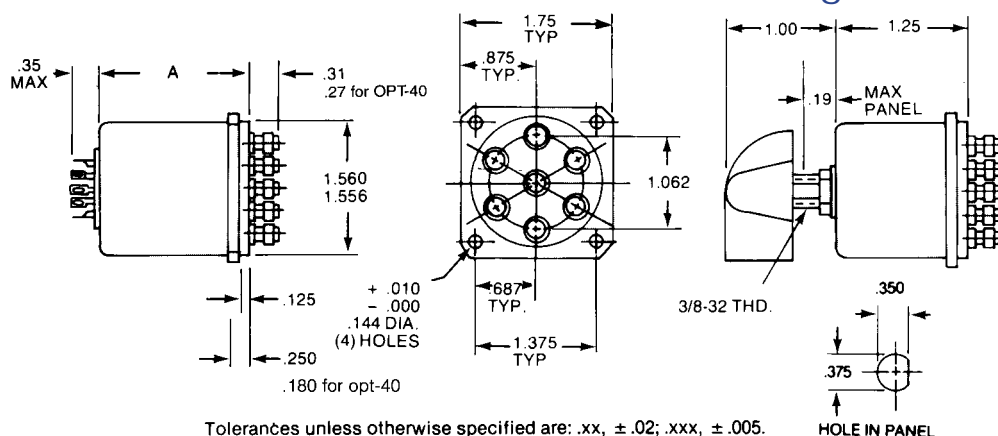
(5) "L" for latching cutthroat if desired

(6) "TL" for TTL Driver if desired

(7) "26" for the 26.5GHz option "40" for the 40GHz option

Example: SR-6C-D-I-L is a remote, 6 position, 28 Vdc; with indicators, latching cutthroat switch.

Outline Drawing



MODEL NO.	A
SR * C-D	1.58
SR * C-D-I	2.25
SR * C-D-L	3.73
SR * C-D-I-L	4.00
SR * C-D-TL	2.25
SR * C-D-I-TL	2.25
SR * C-D-L-TL	4.40
SR * C-D-I-L-TL	4.40
SR * C-H same as SR * C-D	



RLC ELECTRONICS, INC.

83 Radio Circle, Mount Kisco, New York 10549 • Telephone: 914-241-1334 • Fax: 914-241-1753
e-mail: sales@rlcelectronics.com • www.rlcelectronics.com