

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

S-1-2-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 79

Impedance: 50 Ohms

Operating Power 25C:

(Failsafe): 12Vdc at 400 ma nom. 28Vdc at 150 ma nom. 115 Vac at 50 ma nom.

(Latching): 2 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 (40 GHz 2.92 mm)

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.

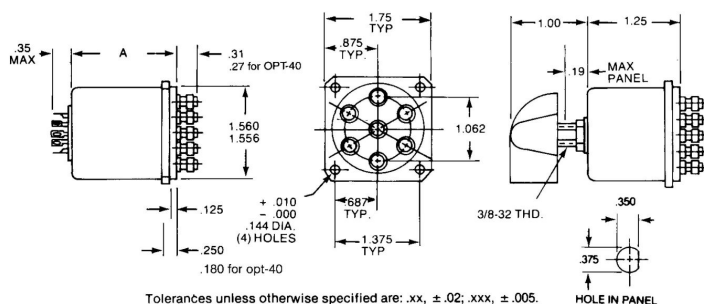
- 5: "L" for latching cutthroat if desired

- 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



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

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	



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