

Type C Coaxial Switches

This RLC Electronics' Mid-Size Coaxial Switch is a single pole, two position type providing extremely high reliability, long life and excellent electrical performance characteristics over the frequency range of DC-18.0 GHz. The package utilizes high density packaging techniques, hence the overall volume of the switch is less than 3 cubic inches.



Specifications

S¹-2C-2-3-4-5-6-7

Switch Type	SINGLE POLE TWO POSITION		
Frequency Range	DC-18GHz		
Insertion Loss (Max dB)	DC-4.0	4.0-12.4	12.4-18.0
	0.2	0.3	0.4
VSWR (Max)	1.2	1.3	1.5
Isolation (dB Min)	80	70	60

Power Rating, RF Cold Switching: See page 79

Impedance: 50 Ohms/75 Ohms*

Operating Power 25C:

(Failsafe): 12Vdc at 250 ma nom. 28Vdc at 140 ma nom. 115 Vac at 50 ma nom.

(Latching): 12 Vdc at 120 ma nom. 28 Vdc at 60 ma nom. 115 Vac at 50 ma nom. Current applied 10 ms min. cutthroat circuitry (standard), recovery time 100 ms nom.

Connectors, RF: SMA, TNC, BNC. F*Female

Connectors, Power: Feed through solder lugs.

Life: 1,000,000 operations.

Switching Time: 15 mS Max.

Weight: 5 oz.

Environmental Conditions: MIL-S-3928

Operating Mode: Manual, failsafe or latching.

Switching Sequence: Break before make.

*BNC not recommended for use above 1GHz.

*TNC not recommended for use above 12.4 GHz.

*75 ohm up to 3 GHz.

To designate the Switch desired use:

1: "M" for Manual, "R" for Remote, R75 for 75 ohms

2: "C" for outboard mountings or "Cin" for inboard mountings.

3: "B" for BNC 50 or 75 ohms, "T" for TNC 50 or 75 ohms or "R" for SMA (50 ohms only), F (75 ohms) connector types.

4: "A" for 115 Vac, "D" for 28 Vdc or "H" for 12 Vdc.

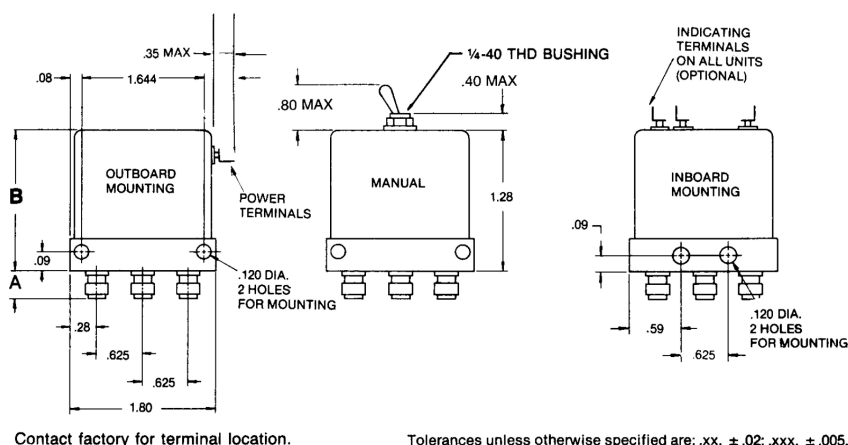
5: "I" for indicators.

6: "L" for latching cutthroat.

7: "TL" for TTL Driver.

Example: SR-2C-R-D is a remote, outboard mounting, SMA Connectors, 28 Vdc; without indicators, Failsafe switch 50 ohms. For 75 ohms SR75-2C

Outline Drawing



MODEL NO.	B
SR-2C-*D	1.50
SR-2C-*D-I	1.50
SR-2C-*D-I-L	1.80
SR-2C-*D-TL	1.80
SR-2C-*D-I-TL	1.80
SR-2C-*D-I-L-TL	1.80
Add .5 For 115 VAC	
Width of all units .7 in.	

CONN	A
SMA	.30
BNC/TNC	.56
F	.56



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