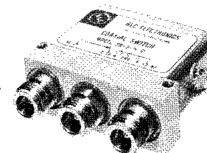# Standard Coaxial Switches

This RLC Electronics' Standard 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-12.4 GHz. The package utilizes high density packaging techniques, hence the overall volume of the switch is less than 6 cubic inches.

Specifications

S^1-2$^{-2-3-4-5-6-7}$

Switch Type	SINGLE POLE TWO POSITION	
Frequency Range	DC-12.4 GHz	
Frequency	DC-7.0	7.0 - 12.4
Insertion Loss (Max dB)	0.3	0.6
VSWR (Max)	1.25	1.6
Isolation (dB Min)	60	55

Power Rating, RF Cold Switching: See page 79
Impedance: 50 Ohms/75 Ohms*
Operating Power 25C
(Failsafe): 12Vdc at 575 ma nom.
 28Vdc at 200 ma nom.
 115 Vac at 76 ma nom.
(Latching): 12 Vdc at 1 amp nom.
 28 Vdc at 430 ma nom. 115 Vac at 30 ma nom. Current applied 10 ms min. cutthroat circuitry (standard), recovery time 100 ms nom.

Connectors, RF: N, SMA, TNC, BNC, F * Female
Connectors, Power: Feed through solder lugs.
Life: 1,000,000 operations.
Switching Time: 20 mS Max.
Weight: 9 oz.
Environmental Conditions: MIL-DTL-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 VSWR 1.5 max.

To designate the switch desired use:

1: "M" for Manual, "R" for Remote, "R75" or "M75" for 75 ohms.
2: "in" for inboard mountings, if desired.
3: "B" for BNC (50 or 75 ohms), "T" for TNC(50 or 75 ohms), "N" (50 or 75 ohms) or "R" for SMA (50 ohms only), F(75 ohms) connector types.

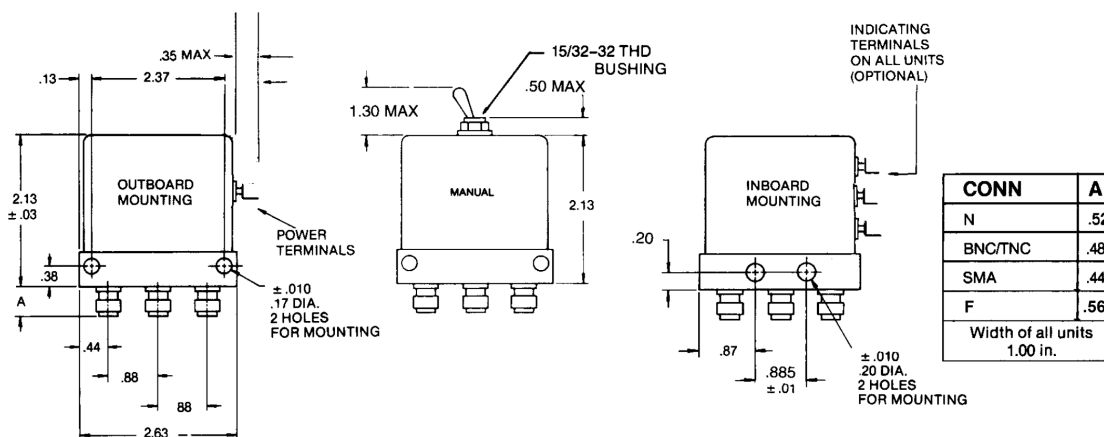**4:** "A" for 115 Vac, "D" for 28 Vdc or "H" for 12 Vdc.
5: "I" for indicators.
6: "L" for latching cutthroat.
7: "TL" for TTL Driver.

Example: SR-2-R-D-I is a remote operation, outboard mountings, SMA connectors, 28 Vdc; with indicators, failsafe operation switch 50 ohms. For 75 ohms SR75-2- - -.

Outline Drawing

Contact factory for terminal location.

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

CONN	A
N	.52
BNC/TNC	.48
SMA	.44
F	.56
Width of all units 1.00 in.	

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