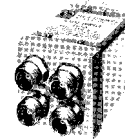


# Standard Transfer Coaxial Switches



This RLC Electronics' Standard Transfer Switch line provides extremely high reliability, long life and excellent electrical performance, it features extremely low insertion loss and VSWR

over the entire DC-12.4 GHz range while maintaining high isolation. On remote latching units a manual override option allows the user to switch manually without power applied.

## Specifications

S1-T-2-3-4-5-6-7

Switch Type	TRANSFER	
Frequency Range	DC-12.4 GHz	
	DC-7.0 GHz	7.0-12.4 GHz
Insertion Loss (Max dB)	0.3	0.6
VSWR (Max)	1.30	1.6
Isolation (dB Min)	60	55

**Power Rating, RF Cold Switching:** See page 5.

**Impedance:** 50 Ohms/75 Ohms.\*

**Operating Power 25°C:**

**(Failsafe):** 12Vdc at 600 ma nom.

28Vdc at 424 ma nom. 115 Vac at 50 ma nom.

**(Latching):** 12 Vdc at 350 ma nom. 28 Vdc at 310 ma nom.

115 Vac at 225 ma nom. Current applied 10 ms min. cutthroat circuitry(standard), recovery time 100 ms nom.

**Connectors, RF:** N, SMA, TNC, BNC\* Female

**Connectors, Power:** Feed through solder lugs.

**Life:** 1,000,000 operations.

**Switching Time:** 20 mS Max.

**Weight:** 19 oz.

**Environmental Conditions:** MIL-S-3928

**Operating Mode:** Manual, failsafe or latching.

**Switching Sequence:** Break before make.

\*BNC not recommended above 1GHz

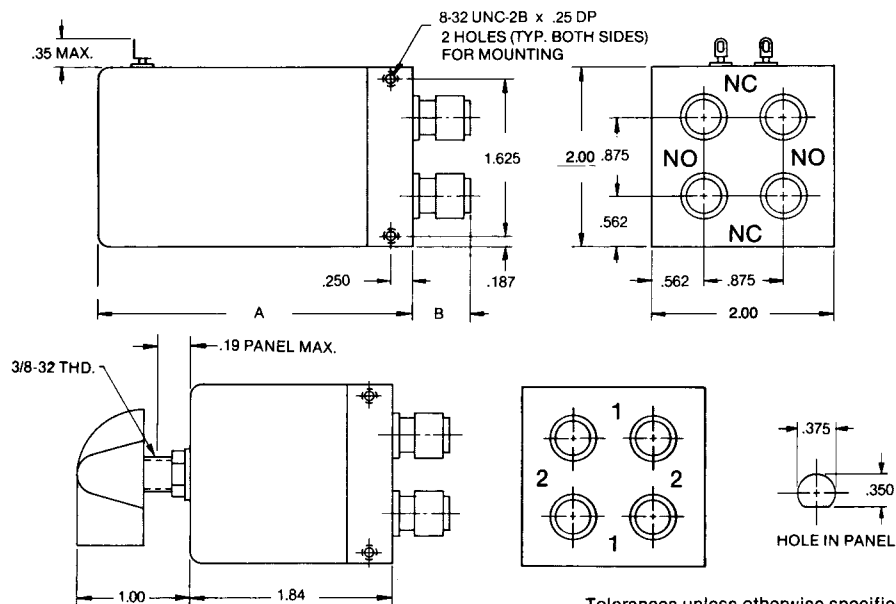
\*75 ohm up to 3 GHz.

**To designate the switch desired use:**

- |   |   |
|---|---|
| (1) "M" for Manual, "R" for Remote.                               | (5) "L" for latching cutthroat if desired |
| (2) "N", "R" for SMA, "T" for TNC, or "B" for BNC type connectors | (6) "TL" for TTL Driver if desired        |
| (3) "A" for 115 Vac, "D" for 28 Vdc or "H" for 12 Vdc.            | (7) "O" for Manual Override.              |
| (4) "I" for indicators if desired.                                |   |

Example: SR-T-N-D-I-L is a remote, Type "N", 28 Vdc; with indicators, latching cut throat switch. 50 ohms for 75 ohms SR75-T

## Outline Drawing



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

MODEL NO.	A
SR-T * -D	2.75
SR-T * -D-I	2.75
SR-T * -D-I-TL	3.20
SR-T * -D-L	2.75
SR-T * -D-I-L	2.75
SR-T * -D-I-L-TL	2.75
SR-T * -A	3.00
SR-T * -A-I	3.00
SR-T * -A-L	3.50
SR-T * -A-I-L	3.50
CONN	B
N	.52
BNC/TNC	.48
SMA	.44

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