

# Rigid Line Transfer Coaxial Switches



This RLC Electronics' Rigid Line Transfer Switch provides extremely high reliability, long life and outstanding electrical performance across the complete broadcast bands. This switch is available in either automatic or manual switching in 7/8, 1 5/8,

line sizes. Standard units are normally available in 50 Ohms, however 75 Ohms can also be furnished. EIA RS225 apply to all switches.

## Specifications

S<sup>1</sup>-R-T<sup>-2-3-4-5</sup>

Switch Type	TRANSFER	
Line Size	7/8	1 5/8
Frequency Range	DC-1.5 GHz*	DC-1.5 GHz*
Insertion Loss (Max dB)	0.14	0.12
VSWR (Max)	1.35	1.35
Isolation (dB)	60	60

\* Designate actual frequency of use when ordering

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

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

**Operating Power 25°C:**

**(Failsafe):** 28Vdc at 6.5a nom operating current and 1.8a at holding current

**(Latching):** 28 Vdc at 1.25a nom.

115 Vac at 1.3a nom. Current applied 200 ms min. cutthroat circuitry standard recovery time 200 ms nom for 28Vdc and 1.5 sec for 115Vac.

**Connectors, RF:** Standard EIA

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

**Life:** 100,000 operations.

**Switching Time:** 500 mS Max.

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

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

**Switching Sequence:** Break before make.

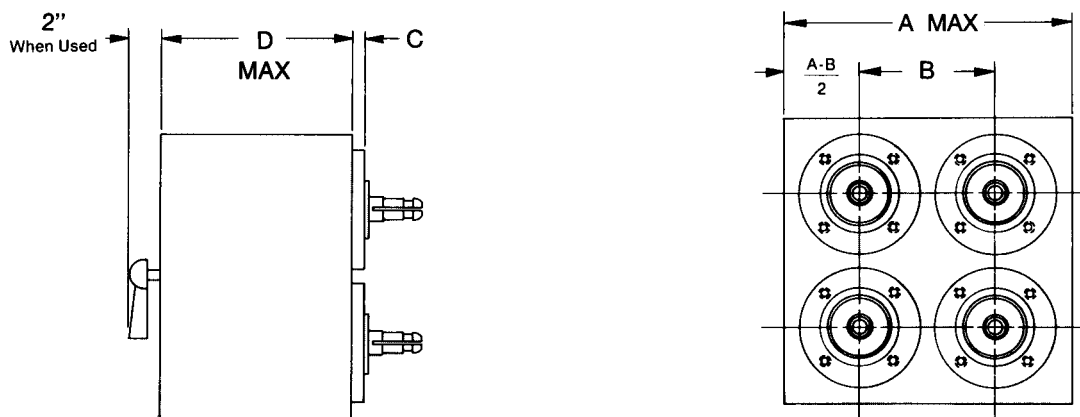
To designate the switch desired use:

- (1) "M" for Manual, "R" for Remote.
- (2) 7/8, 1 5/8 for line size
- (3) "A" for 115 Vac, "D" for 28 Vdc

- (4) "I" for indicators if desired.
- (5) "L" for latching cutthroat if desired

Example: SRR-T-7/8-D-I-L is a remote, 7/8 line, 28 Vdc; with indicators, latching cut throat switch. 50 ohms for 75 ohms SRR75-T

## Outline Drawing



Line Size	A	B	C	D (Manual)	D (Remote)
7/8	6.04	2.75	.29	6.00	12.00
1 5/8	8.04	3.75	.36	6.00	12.00

Tolerances unless otherwise specified are: .xx, ±.03, .xxx, ±.005.



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