

Type C Transfer Coaxial Switch

This RLC Electronics' Type C C mid-size Transfer Switch provides extremely high reliability, long outstanding electrical performance and features extremely low insertion loss and VSWR over the entire DC-18 GHz range, with option to 26 and 40 GHz, maintaining high isolation.



Specifications

S⁻¹-TC-2-3-4-5-6-7

Switch Type:	TRANSFER			
Frequency Range:	DC-18 GHz	(Opt. 26)	DC-40 GHz (Opt. 40)	
Insertion Loss (Max dB)			Ins. Loss: (dB Max)	
DC-4.0 GHz	0.20	0.20	DC-6.0 GHz	0.25
4.0-12.4 GHz	0.30	0.30	6.0-12 GHz	0.40
12.4-18 GHz	0.40	0.40	12-18.5 GHz	0.50
18-26.5 GHz (option 26)	-	0.70	18.5-26.5 GHz	0.70
			26.5-40 GHz	0.90
VSWR (Max)			VSWR: (Max)	
DC-4 GHz	1.20	1.20	DC-6.0 GHz	1.30
4.0-12.4 GHz	1.30	1.30	6.0-12 GHz	1.40
12.4-18 GHz	1.50	1.50	12-18.5 GHz	1.50
18-26.5 GHz (option)	-	1.80	18.5-26.5 GHz	1.70
			26.5-40 GHz	2.00
Isolation (dB Min)			Isolation: (dB Min)	
DC-4 GHz	80	80	DC-6.0 GHz	70
4.0-12.4 GHz	70	70	6.0-12 GHz	60
12.4-18 GHz	60	60	12-18.5 GHz	60
18-26.5 GHz (option)	-	40	18.5-26.5 GHz	55
			26.5-40 GHz	45

Power Rating, RF Cold Switching: see page 79

Impedance: 50 Ohms

Operating Power 25C

(Failsafe): 12Vdc at 500 ma nom. 28Vdc at 200 ma nom. 115 Vac at 40 ma nom.

(Latching): 12 Vdc at 500 ma nom. 28 Vdc at 300 ma nom. 115 Vac at 225 ma nom. Current applied cutthroat circuitry (standard), recovery time 100ms nom.

Connectors, RF: SMA, TNC*, BNC* (40 GHz 2.92 mm)

Connectors, Power: Feed through solder lugs.

Life: 1,000,000 operations.

Switching Time: 20 20 mS Max.

Weight: 6 oz.

Environmental Conditions: MIL-DTL-3928

Operating Mode: Manual, failsafe or latching.

Switching Sequence: Break before make.

*BNC not recommended above 1GHz

*TNC not recommended above 12.4GHz

To designate the switch desired use:

1: "M" for Manual, "R" for Remote.

2: "B" for BNC, "T" for TNC, "R" for SMA type connectors

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

4: "I" for indicators if desired.

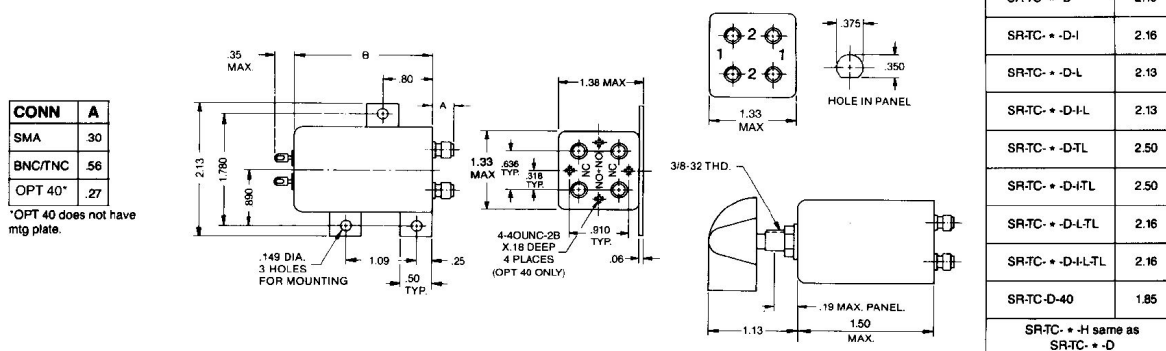
5: "L" for latching cutthroat if desired

6: "TL" for TTL Driver if desired

7: "26" for 26.5GHz option "40" for 40 GHz option

Example: SR-TC-T-D-I-L is a remote, TNC, 28 Vdc; with indicators, latching cutthroat switch

Outline Drawing



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