

[| Print |](#)

Terminated Multi-Position Coaxial Switches (3 to 6 Position)



RLC Electronics' Terminated Multi-Position Coaxial Switch line provides proven reliability, long life and outstanding electrical performance and features extremely low insertion loss and VSWR over the entire DC-18 GHz range, with an option to 26 and 40 GHz while maintaining high isolation.

Specifications

ST1⁻²⁻³⁻⁴⁻⁵⁻⁶⁻⁷⁻⁸

RF Positions	3	4	5	6	ALL	ALL
Frequency Range:(GHz)	DC-18	DC-18	DC-18	DC-18	18-26.5	26.5-40
Insertion Loss (dB Max)						
DC-4 GHz	0.20	0.20	0.20	0.20	0.20	0.20
4.0-12.4 GHz	0.30	0.30	0.30	0.30	0.30	0.30
12.4-18.0 GHz	0.50	0.50	0.50	0.50	0.50	0.50
18-26.5 GHz					1.00	0.75
26-5-40 GHz						0.90
VSWR (Max)						
DC-4.0 GHz	1.25:1	1.25:1	1.25:1	1.25:1	1.25:1	1.25:1
4.0-12.4 GHz	1.40:1	1.40:1	1.40:1	1.40:1	1.40:1	1.40:1
12.4-18.0 GHz	1.50:1	1.50:1	1.50:1	1.50:1	1.50:1	1.50:1
18-26.5 GHz					1.80:1	1.70:1
26.5-40 GHz						2.0:1
Isolation (dB Min)						
DC-4.0 GHz	60	60	60	60	60	60
4.0-12.4 GHz	60	60	60	60	60	60
12.4-18 GHz	60	60	60	60	60	60
18-26.5 GHz	40	40	40	40	40	55
26.5-40 GHz						50

Power Rating, RF Cold Switching: 2 watts average

Impedance: 50 Ohms

Operating Power 25C:

(**Failsafe**): 12Vdc at 600 ma nom. 28Vdc at 260 ma nom.

115Vac at 40 ma nom.

(**Latching**): 12 Vdc at 480ma nom. 28Vdc at 240ma nom. 115

Vac at 225 ma nom. Cutthroat circuitry (standard), recovery time 100ms nom.

Connectors, RF: SMA Female (40 GHz-2.92 mm)

Life: 1,000,000 operations.

Switching Time: 25 mS Max. failsafe 125 ms latching

Weight: 20oz.

Environmental Conditions: MIL-DTL-3928

Operating Mode: Failsafe, manual or latching

Switching Sequence: Break before make.

To designate the switch desired use:

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

2: "3", "4", "5" or "6" throw operation

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

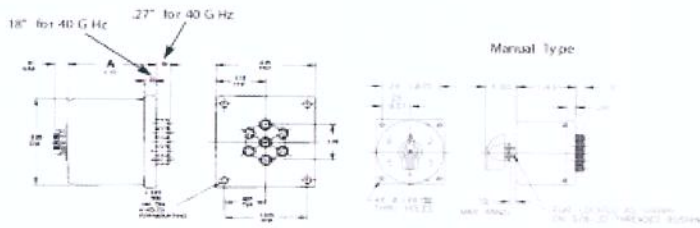
7: "26" for 26.5 GHz options.

8: "40" for 40 GHz option

Example: STR-3-D is a SP-3T, 28 Vdc, without indicators, failsafe switch

Outline Drawing

HTB Elektronik
Im Gewerbepark 11
27619 Schiffdorf/Germany
(+49) 4706 750100
info@htb-elektronik.com



MODEL NO.	A 18 & 26.5 GHz	A 40 GHz
STR-3-D	2.79	2.69
STR-3-D-1	3.40	3.30
STR-3-D-4	4.03	3.93
STR-3-D-L	4.03	3.93
STR-3-D-TL	3.43	3.33
STR-3-D-4-TL	3.75	3.65
STR-3-D-L-TL	4.25	4.15
STR-3-H same as STR-3-D		

STR-3-D, STM-3

HTB Elektronik
 Im Gewerbepark 11
 27619 Schiffdorf/Germany
 (+49) 4706 750100
 info@htb-elektronik.com