

Miniature Multi-Position Coaxial Switches



RLC Electronics' Miniature Multi-Position Coaxial Switch line provides extremely high reliability, long life and outstanding electrical performance by utilizing high density packaging.

The "Multi-Min" electrical characteristics feature low insertion loss and VSWR over the entire DC-18GHz range, with an option to 26.5 GHz, while maintaining high isolation.

Specifications

S¹⁻² MIN³⁻⁴⁻⁵⁻⁶

RF Positions	3	4	5	6
Switch Type:	SP-3T	SP-4T	SP-5T	SP-6T
Frequency Range:(GHz)	DC-18 (18-26.5 option)	DC-18 (18-26.5 option)	DC-18 (18-26.5 option)	DC-18 (18-26.5 option)
Insertion Loss (Max dB)				
DC-4	0.20	0.20	0.20	0.20
4.0-12.4 GHz	0.30	0.30	0.30	0.30
12.4-18 GHz	0.50	0.50	0.50	0.50
18-26.5 GHz (option)	1.00	1.00	1.00	1.00
VSWR (Max)				
DC-4	1.25	1.25	1.25	1.25
4.0-12.4 GHz	1.40	1.40	1.40	1.40
12.4-18 GHz	1.50	1.50	1.50	1.50
18-26.5 GHz (option)	2.00	2.00	2.00	2.00
Isolation (dB Min)				
DC-18 GHz	60	60	60	60
18-26.5 GHz (option)	50	50	50	50

Power Rating, RF Cold Switching: See page 5.
 Impedance: 50 Ohms
 Operating Power 25°C:
 (Failsafe): 12Vdc at 300 ma nom.
 28Vdc at 90 ma nom. 115 Vac at 25 ma nom.
 Connectors, RF: SMA Female
 Connectors, Power: Feed through solder lugs.

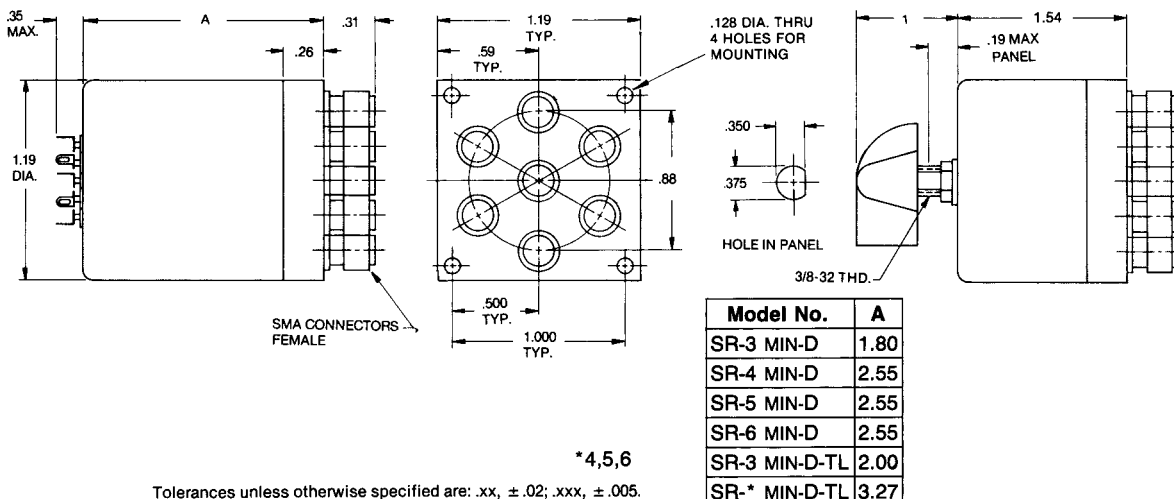
Life: 1,000,000 operations.
 Switching Time: 15 mS Max.
 Weight: 3 position 3.5oz, others 7oz.
 Environmental Conditions: MIL-S-3928
 Operating Mode: Manual or failsafe.
 Switching Sequence: Break before make.

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) "TL" for TTL Driver if desired
- (6) "26" for the 26.5GHz option

Example: SR-4 Min-D-26 is a remote, 28 Vdc; without indicators, failsafe switch, 26.5 GHz operation

Outline Drawing



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