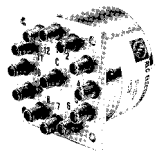
Type C Multi-Position Coaxial Switches (7 to 12 Position)



This RLC Electronics' Mid-Size, Extended Multi-Position Coaxial Switch line provides up to 12 positions with extremely high reliability, long life and outstanding electrical performance featuring extremely low insertion loss and VSWR over the entire DC-18GHz range, while maintaining high isolation.

Specifications

S^{1-2} $C^{-3-4-5-6}$

RF Positions	7	8	9	10	11	12
Switch Type:	SP-7T	SP-8T	SP-9T	SP-10T	SP-11T	SP-12T
Frequency Range:(GHz)	DC-18	DC-18	DC-18	DC-18	DC-18	DC-18
Insertion Loss (Max dB)						
DC-6 GHz	0.30	0.30	0.30	0.30	0.30	0.30
6.0-12.0 GHz	0.50	0.50	0.50	0.50	0.50	0.50
12.0-16.0 GHz	0.70	0.70	0.70	0.70	0.70	0.70
16.0-18.0 GHz	1.00	1.00	1.00	1.00	1.00	1.00
VSWR (Max)						
DC-6 GHz	1.40	1.40	1.40	1.40	1.40	1.40
6.0-12.0 GHz	1.50	1.50	1.50	1.50	1.50	1.50
12.0-16.0 GHz	1.70	1.70	1.70	1.70	1.70	1.70
16.0-18.0 GHz	1.80	1.80	1.80	1.80	1.80	1.80
Isolation (dB) (Min) DC-12 GHz	60	60	60	60	50	50
12-18 GHz	55	55	55	55	50	50

Power Rating, RF Cold Switching: See page 5.
Impedance: 50 Ohms
Operating Power 25°C:
(Failsafe): 12Vdc at 333 ma nom.
28Vdc at 150 ma nom.
Connectors, RF: SMA Female
Connectors, Power: Solder Connections.

Life: 1,000,000 operations.
Switching Time: 15 mS Max.
Weight: 10oz.
Environmental Conditions: MIL-S-3928
Operating Mode: Manual or failsafe
Switching Sequence: Break before make.

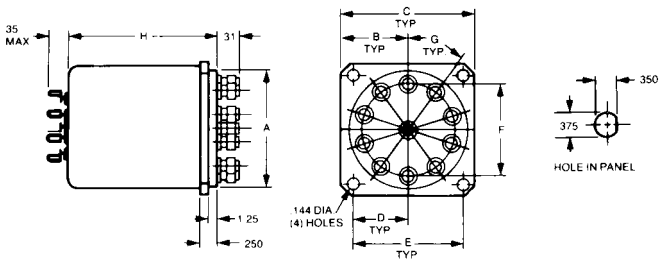
To designate the switch desired use:

(1) "M" for Manual, "R" for Remote.
(2) "7C", "8C", "9C", "10C", "11C" or "12C" throw operation
(3) "D" for 28 Vdc or "H" for 12 Vdc.
(4) "I" for indicators if desired.
(5) "TL" for TTL Driver if desired

Example: SR-10C-D-I is a remote, 10 position, 28 Vdc; with indicators, switch

Outline Drawing

7-10 POS.

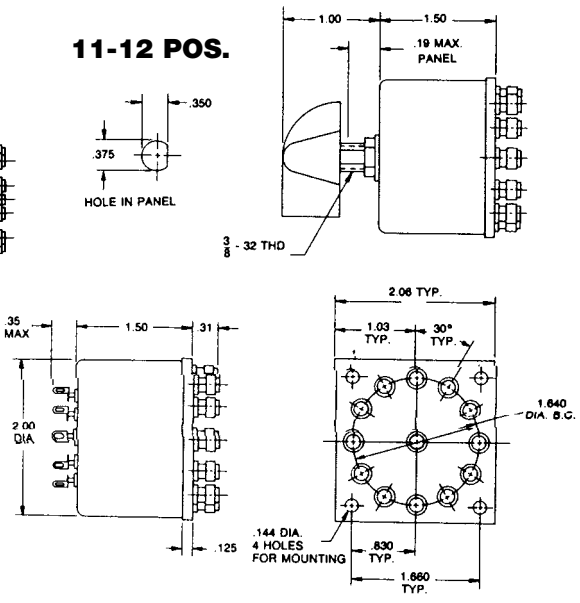


MODEL NO.	H
SR-* C-D	2.63
SR-* C-D-I	3.63
SR-* C-D-TL	3.00
SR-* C-D-I-TL	4.00

MODEL NO.	A	B	C	D	E	F	G
SR-7C-D	1.558	.875	1.750	.687	1.375	1.120	45°
SR-8C-D							
SR-9C-D	1.800	1.000	2.000	.812	1.625	1.400	36°
SR-10C-D							

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

11-12 POS.



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