

SPDT Waveguide Switches



These single pole, double throw waveguide switches are based on RLC Electronics' highly reliable series of coaxial switches. A precision machined waveguide transition assembly is combined with coaxial switch technology to

produce a compact device that features the low current and fast switching time of a coaxial switch with waveguide inputs and outputs. Units are available in various waveguide sizes covering 7.05 to 40 GHz with a variety of options

Specifications S1W2-3-4-5-6-7

Model No.	Waveguide size	Frequency (GHz)	Insertion Loss (dB max)	VSWR (max)	Isolation (dB min)	Power Rating	
						Peak	Average
112	WR112	7.05-10	.7	1.6	60	5kw	130w
90	WR90	8.2-12.4	.7	1.6	60	5kw	120w
75	WR75	10-15	.8	1.7	60	2kw	40w
62	WR62	12.4-18	.9	1.8	60	2kw	40w
42	WR42	18-26.5	1.2	2.0	50	2kw	30w
28	WR28	26.5-40	2.0	2.5	50	2kw	25w
750	WRD750	7.5-18	1.0	2.0	60	2kw	40w

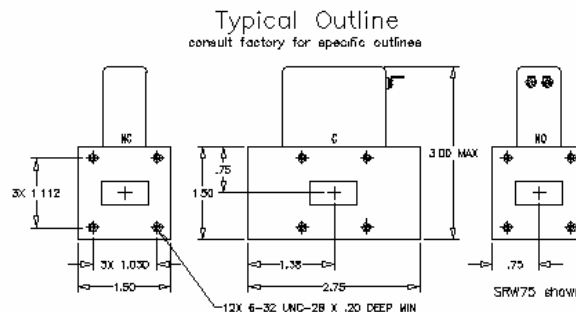
Operating Power 25deg C
 (Failsafe) 12vdc @ 575mA nom. (112, 90)
 12vdc @ 250mA nom. (all others)
 28vdc @ 200mA nom. (112, 90)
 28vdc @ 140mA nom. (all others)
 (Latching) 12vdc @ 1 amp nom. (112, 90)
 12vdc @ 120mA nom. (all others)
 28vdc @ 430mA nom. (112, 90)
 28vdc @ 60mA nom. (all others)

Life: 1,000,000 operations
 Switching Time: 25mS (112, 90)
 15mS (all others)
 Environmental Conditions: MIL-DTL-3928
 Operating Mode: Manual, Failsafe, or Latching
 Switching Sequence: Break before make
 Maximum Hot Switching: 1 watt

To designate the switch desired use:

- | | |
|--------------------------------------|--|
| (1) "M" for Manual "R" for Remote | (5) "L" for latching cutthroat, if desired |
| (2) 112, 90, 75 etc for model number | (6) "TL" for TTL driver if desired |
| (3) "D" for 28vdc or "H" for 12vdc | (7) "Arc" for arc suppression diodes (N/A with TTL and Latching) |
| (4) "I" for indicators, if desired | |

Example: SRW75-H-TL is a remote, 12vdc, failsafe WR75 switch with a TTL driver



Specifications subject to change without notification.

Tolerances unless otherwise specified are .xx +/- .02. xxx +/- .005

Specials requiring closer tolerances, different frequency ranges, special connectors different materials, finishes, etc. can be furnished upon request.



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