

Waveguide Switches

RLC Electronics' electromechanical waveguide switches offer a compact design utilizing a proprietary non-contacting actuator mechanism that requires low current. Precision machined parts insure optimum electrical performance over the entire waveguide band. These units are available in SPDT and transfer

configurations, manual or remote, with a choice of coil voltages and optional indicator contacts. Solid state de-energizing circuiting insures high reliability and is available with common positive, common negative, and TTL control options.

Specifications

WG¹ 28^{2 3 4 5}

Model Number	Frequency (GHz)	Insertion Loss (dB) (Max.)	VSWR	Isolation (dB) (Min.)
WR 28	26.5 – 40.0	0.4	1.25	50
WR 42	18.0 – 26.5	0.4	1.1	60
WR 62	12.4 – 18.0	0.4	1.1	60
WR 75	10.0 – 15.0	0.5	1.05	60
WR 90	8.20 – 12.4	0.5	1.05	60

Input / Output connections: cover flanges with 440 tapped holes

Operating Mode: latching with cutthroat
Operating Current 25° C (mA nominal)
12VDC at 300 mA
28 VDC at 170 mA

Life: 100,000 operations minimum

Switching Time: 125 milliseconds maximum

Weight: 5 ounces (WR28)

To designate the switches desired use:

(1) "M" for manual, "R" for remote

(2) "2" for SPDT, "T" for transfer switch

(3) "H" for 12VDC Coil, "D" for 28 VDC Coil

(4) "I" for indicators if desired



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