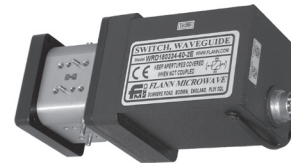


DC-Motor Driven Waveguide Switches

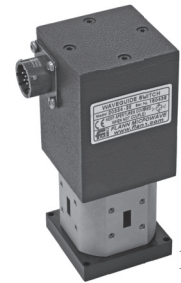
Series 334-*E / WRD334-*E

Features

- **Switching Time < 500 ms**
- **High Accuracy**
- **High Repeatability**
- **High Isolation**
- **2 or 3-Channel**
- **Simple TTL - Level Control & Indicators**



Model WRD180334-2E



Model 20334-2E

Operation

The Flann Series 334 DC-Motor driven waveguide switches use the same high-repeatability rotor/stator design as the unrivalled Series 333 switches. They may be controlled directly by a PC (for example by the standard printer port) or remote buttons and indicators. TTL-level control pins are provided for each of the switch positions: four for 3-channel switches and two for 2-channel switches. A logic 'low' on the appropriate control line causes the switch to move to the corresponding position. Indicator pins are provided for each switch position that indicate 'high' when the switch is correctly positioned. These are capable of sourcing up to 25mA at 5V (more than adequate to directly drive an LED).

Model	Frequency Range (GHz)	Waveguide			VSWR (Max)	Insertion Loss Max (dB)	Isolation Minimum (dB)	Model
		WG	R	WR				
16334-*E	8.2 - 12.5	16	100	90	1.10	0.2	75	16334-*E
17334-*E	9.84 - 15.0	17	120	75	1.10	0.2	75	17334-*E
18334-*E	11.9 - 18.0	18	140	62	1.10	0.2	75	18334-*E
19334-*E	14.5 - 22.0	19	180	51	1.10	0.3	75	19334-*E
20334-*E	17.6 - 26.7	20	220	42	1.10	0.3	75	20334-*E
21334-*E	21.7 - 33.0	21	260	34	1.10	0.4	75	21334-*E
22334-*E	26.4 - 40.1	22	320	28	1.10	0.4	75	22334-*E
23334-*E	33.0 - 50.1	23	400	22	1.10	0.4	75	23334-*E
24334-*E	39.3 - 59.7	24	500	19	1.10	0.5	75	24334-*E
25334-*E	49.9 - 75.8	25	620	15	1.10	0.6	75	25334-*E
26334-*E	60.5 - 92.0	26	740	12	1.10	0.8	75	2633 -*E
27334-*E	73.8 - 112	27	900	10	1.10	1.0	75	27334-*E
WRD180334-*E	18.0 - 40.0	WRD180-C24			1.15	0.2	75	WRD180334-*E

The suffix "-2E" denotes a 2-channel rotor whilst "-3E" denotes a 3-channel rotor.

Electrical Specifications	Supply voltage	10 V - 28 V DC
	Power Consumption	2 W Peak
	Control Interface	TTL-level control and indicators
	Connector	MIL-C-26482 Shell 12, 10 Pin Plug (Mating cable socket supplied) (Pattern 105 compatible)

ORDERING INFORMATION

Model description
Example: Model 22334-2E D.C. Operated waveguide switch, 75 dB isolation, 2-channel rotor.

Our range of waveguide switches is subject to continual development and additional models, not detailed in this catalogue may be available to special order. Please consult our sales office for information.



2-Channel Rotor Type 2



3-Channel Rotor Type 3

Series 334/WRD334