

### Description

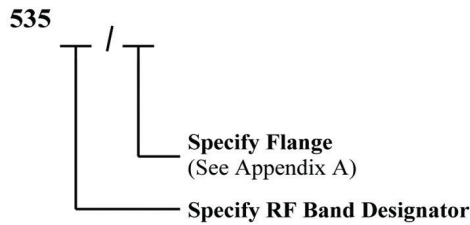
Each of Mi-Wave's 535 Series Waveguide Switches consists of a waveguide switch selection similar to the 530 Series switch and a rotary motor encased in a machined housing.

- *Low Loss*
- *Low VSWR*
- *Accurate Positioning*
- *High Isolation Between Ports*
- *GPIB IEEE-488 Control Available*
- *TTL Control Standard*

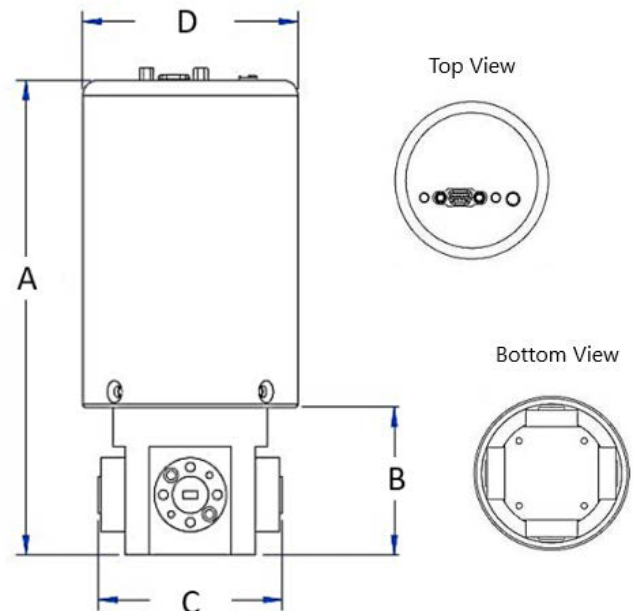
### Applications

The 535 Series Solenoid Switches are used in applications that require remote-controlled or timed transmission line switching. They are particularly useful in operational systems and test setups where they supply a variety of switching combinations.

### Ordering Information



Controls: TTL and GPIB options available.



Dimensional Specifications								
Model No.	A		B		C		D	
	in.	mm	in.	mm	in.	mm	in.	mm
535A	4.83	122.6	1.50	38.1	1.96	49.9	2.24	56.8
535B	4.83	122.6	1.50	38.1	1.96	49.9	2.24	56.8
535U	4.83	122.6	1.50	38.1	1.96	49.9	2.24	56.8
535V	4.83	122.6	1.50	38.1	1.92	48.8	2.24	56.8
535E	4.83	122.6	1.50	38.1	1.92	48.8	2.24	56.8

-Switches available in WR-4 & WR-3 Bands

Technical Specifications (typical)									
Model No.	535A	535B	535U	535V	535E	535W	535F	535D	535G
Frequency Band (GHz)	26.5–40.0	33.0–50.0	40.0–60.0	50.0–75.0	60.0–90.0	75.0–110.0	90.0–140.0	110.0–170.0	140.0–220.0
Isolation (dB) (typical)	60	60	60	60	60	60	50	50	45
Insertion Loss (dB) (typical)	0.3	0.3	0.3	0.4	0.5	0.7	0.9	0.9	1.0
VSWR (typical)	1.15	1.15	1.15	1.15	1.15	1.15	1.2	1.3	1.3
Average Switching Speed (Seconds)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.2

Other frequencies available from 8.2–220 GHz