

# 535 Series Two-Position Solenoid Switches

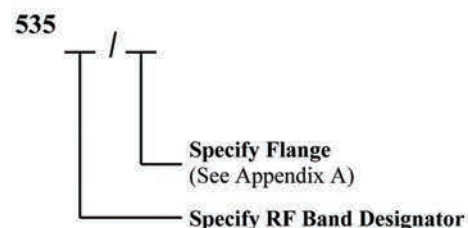
**MI-WAVE**  
Millimeter Wave Products Inc.



## Features

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

## Ordering Information



## 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 solenoid stepping motor encased in a machined housing.

## 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.



Controls: DC, TTL and GPIB options available

## Dimensional Specifications

Model No	A		B		C		D	
	in	mm	in	mm	in	mm	in	mm
535A	5.21	132.0	1.28	32.5	2.61	66.3	2.73	69.3
535B	5.21	132.0	1.28	32.5	2.61	66.3	2.73	69.3
535U	5.21	132.0	1.28	32.5	2.61	66.3	2.73	69.3
535V	5.41	137.0	1.14	28.9	1.92	48.8	2.50	63.5
535E	5.41	137.0	1.14	28.9	1.92	48.8	2.50	63.5
535W	5.41	137.0	1.14	28.9	1.92	48.8	2.50	63.5

## Technical Specifications (typical)

Model Number	535A	535B	535U	535V	535E	535W	535F	535D
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
Isolation (dB) Min.	50	50	50	40	40	40	35	35
Insertion Loss (dB) Max.	0.3	0.3	0.3	0.3	0.4	0.5	.8	1.0
VSWR Max.	1.15	1.15	1.15	1.15	1.15	1.15	1.2	0.5
Average Switching Speed (Seconds)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Other frequencies available from 8.2 - 220 GHz