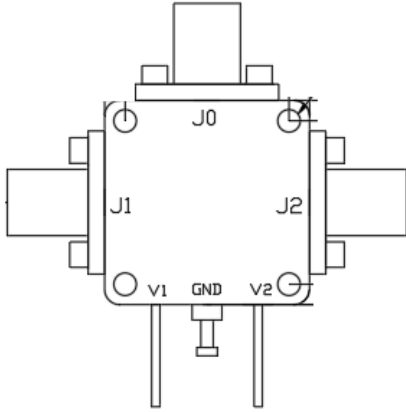


### 35-67GHz SPDT Switch



#### Description:

AT-SPDT-3567B is a MMIC Based SPDT (Single pole double throw) switch covering 35-67GHz. This module offers a low insertion loss of -6 dB with typical isolation of -25dB.

It also has good return loss from 35-67GHz band in both ON and OFF state. The input and output connectors are 1.85mm Female. Other connectors can be provided according to request.

More information, visit [www.atmicrowave.com](http://www.atmicrowave.com)

#### Feature

- ✓ Frequency: 35-67GHz
- ✓ Insertion Loss, -6 dB
- ✓ High isolation: -25dB
- ✓ Very fast speed

#### Application

- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System
- ✓ Telecom Communication

#### Electronical Specifications:

Parameter	Min	Typical	Max
Frequency(Note1)		35-67GHz	
Insertion Loss		-6dB	-8
Isolation	-20dB	-25 dB	
Switching Time, Estimated		10ns	
Control Voltage		-1.2 and 0 V	
Power Consumption		0mW	
Spec Temp		25C	





# AT-SPDT-3567B

## 35-67GHz SPDT Switch

### Mechanical Information

Item	Description
Input Port	1.85mm Female
Output Port	1.85mm Female
Case Material	Copper
Package Sealing	Epoxy Sealed
Finish	Gold Plated
Weight (Without Heatsink)	50g
Size:	20x20x12 mm

### Absolute Maximum Ratings Table

Parameter	Value
Control Voltage	-2 to 0.7V
RF Input Power	+15dBm
Operating Temperature	-40 to +85C
Storage Temperature	-65 to +150C

### Truth Table

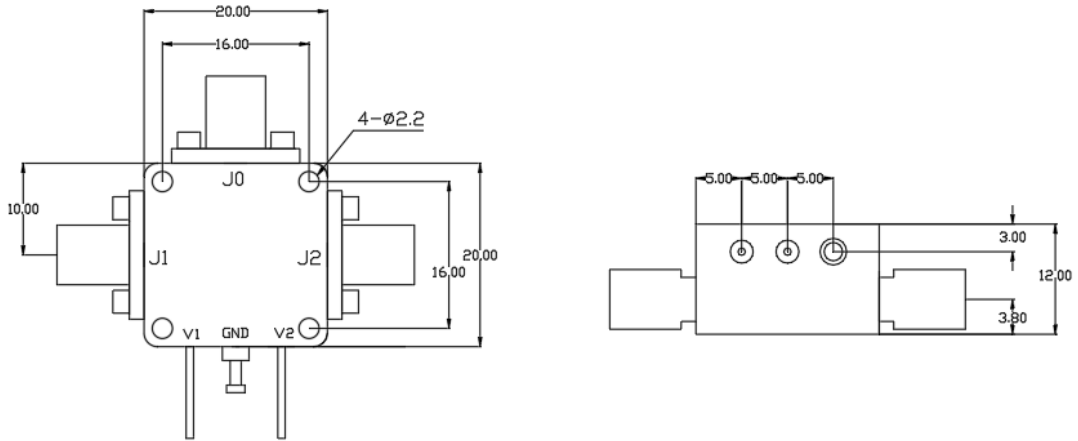
Control Input		Signal Path	
A	B	RFC to RF1	RFC to RF2
-1.5V	0	ON	OFF
0	-1.5V	OFF	ON
0	0	OFF	OFF

### Notes:

1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.



## Dimension (mm)



In millimetres  
with 1.85mm female connector

