

## V Band(50-70GHz) SPST, WR-15



### Description:

AT-SPST-5070T1 is a MMIC Based SPST (Single pole Single throw) switch covering 50-70GHz. This module offers a low insertion loss of -3 dB.

It also has good return loss from 50-70GHz band in both ON and OFF state. The input and output connectors are WR-15 Waveguide.

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

### Feature

- ✓ Frequency: 50-70GHz
- ✓ Low insertion Loss, -3.0 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)		50-70GHz	
Insertion Loss		-3.0dB	-5
Isolation	-20dB	-25 dB	
Vdd		+5V	
Vee		-5V	
Control		TTL	
P1db		+20dBm	
Temp Spec		25C	





# AT-SPST-5070T1

## 50-70 SPST Switch

### Mechanical Information

Item	Description
Input Port	WR-15
Output Port	WR-15
Bias/Control	Feed Through Pin
Case Material	Copper
Finish	Gold Plated
Weight	170g
Size:	See outline

### Absolute Maximum Ratings Table

Parameter	Value
Bias Voltage	+5V +/-10%, -5V +/-10%
RF Input Power	+23dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +120C

### TTL and Bias Voltage

TTL	V2
High	2.0 to 5.5V
Low	0 to 0.8V
VDD	+5V ( +/-5%)
VEE	-5V ( +/-5%)

### Truth Table

TTL	J1-J2
High	ON
Low	OFF

### Dimension (mm)

To be added.

