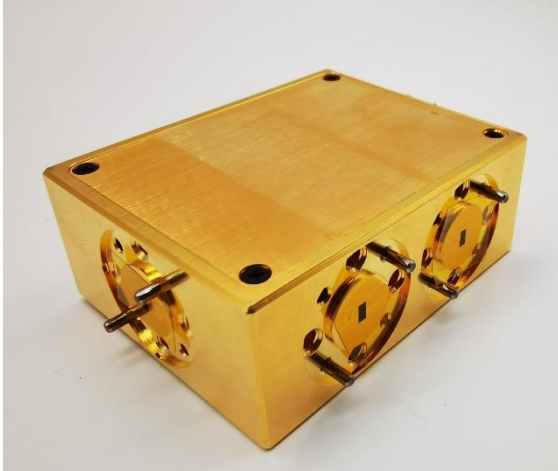


### E Band 70-90GHz SP4T Switch



#### Description:

AT-SP4T-7090T1 is a SP4T switch covering 70-90GHz. This module offers a low insertion loss of -5.5 dB with typical isolation of -25dB.

It also has good return loss from 70-90GHz band in both ON and OFF state. The input and output connectors are WR-12. Other connectors can be provided according to request.

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

#### Feature

- ✓ Frequency: 70-90GHz
- ✓ Low insertion Loss, -5.5 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		70-90GHz	
Insertion Loss		-5.5dB	-7.5dB
Isolation	-20dB	-25 dB	
Return Loss		-10dB	
Switching Time		100ns	
Vdd		+5V	
Current		100uA	
Control		TTL	
P1dB		+20dBm	
Spec Temp		25C	





# AT-SP4T-7090T1

## 70-90GHz SP4T Switch

### Mechanical Information

Item	Description
RF Input Port	WR-12 with UG-387/U anti-cocking Flange.
RF Output Port	WR-12 with UG-387/U anti-cocking Flange.
Case Material	Copper
Finish	Gold Plated
Weight	TBD
Size:	See outline

### Absolute Maximum Ratings Table

Parameter	Value
Bias Voltage	+7V
RF Input Power	+22dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

### TTL and Bias Voltage

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

### Truth Table

C1	C2	ON
0	0	RF1
1	0	RF2
0	1	RF3
1	1	RF4



## Dimension(mm)

