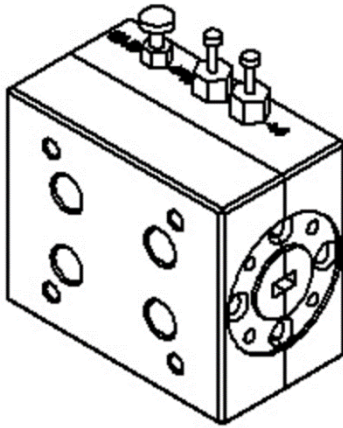


50-75GHz Full V Band SPDT Switch

2022-7-20



Description:

AT-SPDT-5075 is a MMIC Based SPDT (Single pole double throw) switch covering 50-75GHz. This module offers a low insertion loss of -6 dB with typical isolation of -25dB.

It also has good return loss from 50-75GHz band in both ON and OFF state. The input and output connectors are WR-15. Other connectors can be provided according to request.

More information, visit www.atmicrowave.com

Feature

- ✓ Frequency: 50-75GHz
- ✓ Low 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)		50-75GHz	
Insertion Loss		-6dB	-8dB
Isolation	-20dB	-25 dB	
Switching Time, Estimated		100ns	
Control Voltage		-1.2 and 0 V	
Power Consumption		0mW	
Spec Temp		25C	





AT-SPDT-5075

50-75GHz SPDT Switch

Mechanical Information

Item	Description
RFC Input Port	WR-15
RF1/RF2 Output Port	WR-15
Case Material	Copper
Finish	Gold Plated
Weight	189g
Size:	See outline

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)

