

50-70GHz SP4T Switch, High Isolation, WR-15



Description:

AT-SP4T-5070T2 is a SP4T switch covering 50-70GHz. This module offers a low insertion loss of -6.5 dB with typical isolation of -45dB.

It also has good return loss from 50-70GHz 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: 50-70GHz
- ✓ Low insertion Loss, -6.5 dB
- ✓ High isolation: -45dB
- ✓ Very fast speed

Application

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

Electronical Specifications:

Parameter	Min	Typical	Max
Frequency		50-70GHz	
Insertion Loss		-6.5dB	-9dB
Isolation	-30dB	-45 dB	
Return Loss		-10dB	
Switching Time		100ns	
Vdd		+5V	
Current		100uA	
Control		TTL	
P1dB		+20dBm	
Spec Temp		25C	





AT-SP4T-5070T2

50-70GHz SP4T Switch

Mechanical Information

Item	Description
RF Input Port	WR-15 Waveguide with UG-385/U Flange
RF Output Port	WR-15 Waveguide with UG-385/U Flange
Case Material	Copper or Aluminum
Finish	Gold Plated
Weight	TBD
Size:	See outline

Absolute Maximum Ratings Table

Parameter	Value
Bias Voltage	+7V
RF Input Power	+23dBm
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

