

### 50-75GHz Attenuator



#### Description:

AT-VVA-5075G-20 is a MMIC Based VVA covering 50-75GHz. It also can be used as an voltage controlled attenuator. This module offers a low insertion loss of -4 dB with typical isolation of -20dBc.

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

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

#### Feature

- ✓ Frequency: 50-75GHz
- ✓ Low insertion Loss, -4 dB
- ✓ High isolation: -20dBc
- ✓ 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		-4dB	-5
Isolation		-20 dBc	
Control Voltage		-1.2 and 0 V	
Power Consumption		0mW	
Input Return Loss		-10dB	
Output Return Loss		-10dB	
Spec Temp		25C	





# AT-VVA-5075G-20

## 50-75GHz Voltage Variable Attenuator

### Mechanical Information

Item	Description
Input Port	WR-15
Output Port	WR-15
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	100g
Size:	TBD

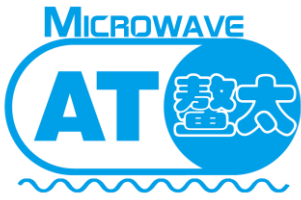
### Absolute Maximum Ratings Table

Parameter	Value
Control Voltage	-2 to 0.7V
RF Input Power	+15dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

### Notes:

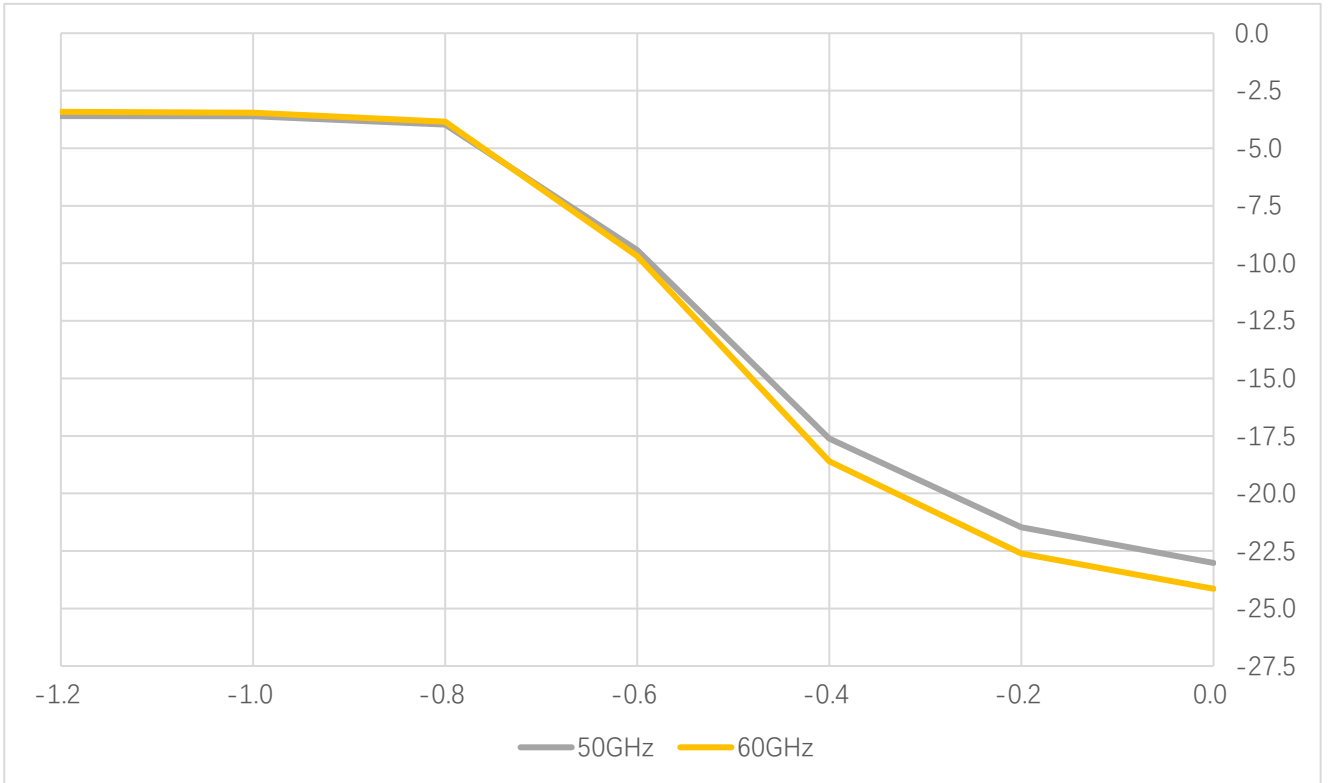
1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.





# AT-VVA-5075G-20

## 50-75GHz Voltage Variable Attenuator



Attenuation Range vs Voltage 50/60GHz

### Dimension (mm)

To be added.

