

### 40-60GHz WR-19, 20dB Attenuator



#### Description:

AT-VVA-4060-20 is a MMIC Based VVA covering 40-60GHz. 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 40-60GHz band in both ON and OFF state. The input and output connectors are WR-19 Waveguide. Other connectors can be provided according to request.

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

#### Feature

- ✓ Frequency: 40-60GHz
- ✓ 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		40-60GHz	
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-4060-20

## 40-60GHz Voltage Variable Attenuator

### Mechanical Information

Item	Description
Input Port	WR-19
Output Port	WR-19
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	100g
Size:	TBD

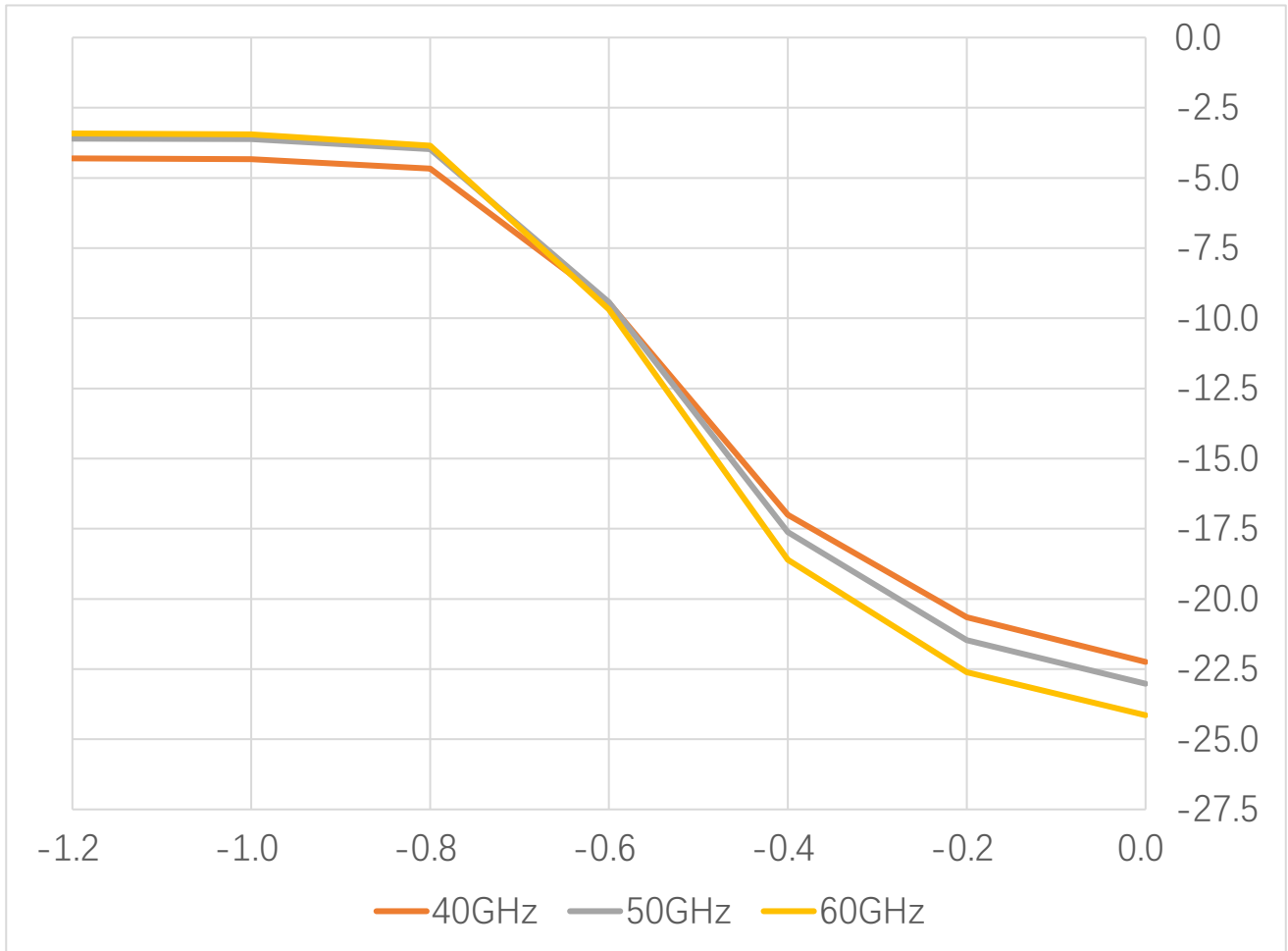
### Absolute Maximum Ratings Table

Parameter	Value
Control Voltage	-2 to 0.7V
RF Input Power	+15dBm
Operating Temperature	0 to +40C
Storage Temperature	-65 to +140C

### 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.





Attenuation Range vs Voltage at 40/50/60GHz



### Dimension (mm)

Following dimension is just for reference.

Contact with us for dimension when place order.

