

50-75GHz Attenuator



Description:

AT-VVA-5075G-35 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 -6 dB with typical isolation of -35dBc.

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

Feature

- ✓ Frequency: 50-75GHz
- ✓ Low insertion Loss, -6 dB
- ✓ Attenuation Range: -35dBc
- ✓ 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	-8
Attenuation Range		-35 dB	
Control Voltage		-1.2 to 0 V	
Power Consumption		0mW	
Input Return Loss		-10dB	
Output Return Loss		-10dB	
Spec Temp		25C	





AT-VVA-5075G-35

50-75GHz Voltage Variable Attenuator

Mechanical Information

Item	Description
Input Port	WR-15
Output Port	WR-15
Case Material	Copper
Finish	Gold Plated
Weight	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

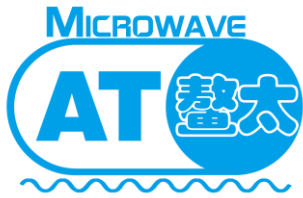
Truth Table

VT	RFC to RF1
-1.2V	ON
0	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.

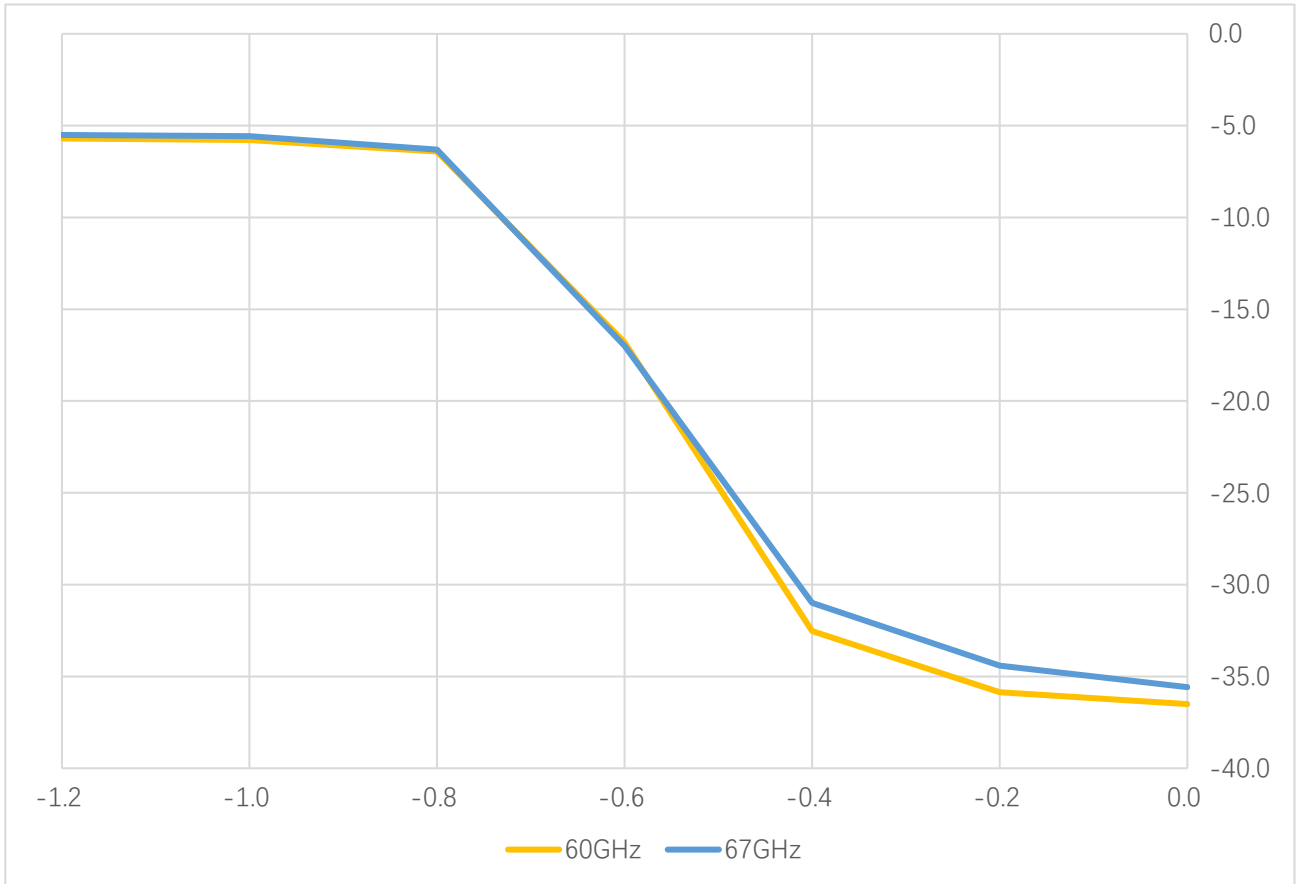




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Test Data:



Attenuation Range vs Frequency

Dimension (mm)

To be added.

