

30-67GHz Voltage Variable Attenuator



Description:

AT-VVA-3067-35 is a MMIC Based attenuator covering 30-67GHz. 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 30-67GHz band in both ON and OFF state. The input and output connectors are 1.85mm Female. Other connectors can be provided according to request.

More information, visit www.atmicrowave.com

Feature

- ✓ Frequency: 30-67GHz
- ✓ Low insertion Loss, -6 dB
- ✓ Attenuation Range: 35dB
- ✓ Very fast speed

Application

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

Electronical Specifications:

Parameter	Min	Typical	Max
Frequency	30GHz	40-60	67GHz
Insertion Loss(40-67GHz)		-6dB	-8
Attenuation Range		35 dB	
Control Voltage		-1.2 to 0 V	
Power Consumption		0mW	
Input Return Loss		-10dB	
Output Return Loss		-10dB	
Dimension		27.9x26x10mm	





AT-VVA-3067-35

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Mechanical Information

Item	Description
Input Port	1.85mm Female
Output Port	1.85mm Female
Bias Port	Feed Through Pin
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	50g
Size:	27.9x26x10mm

Absolute Maximum Ratings Table

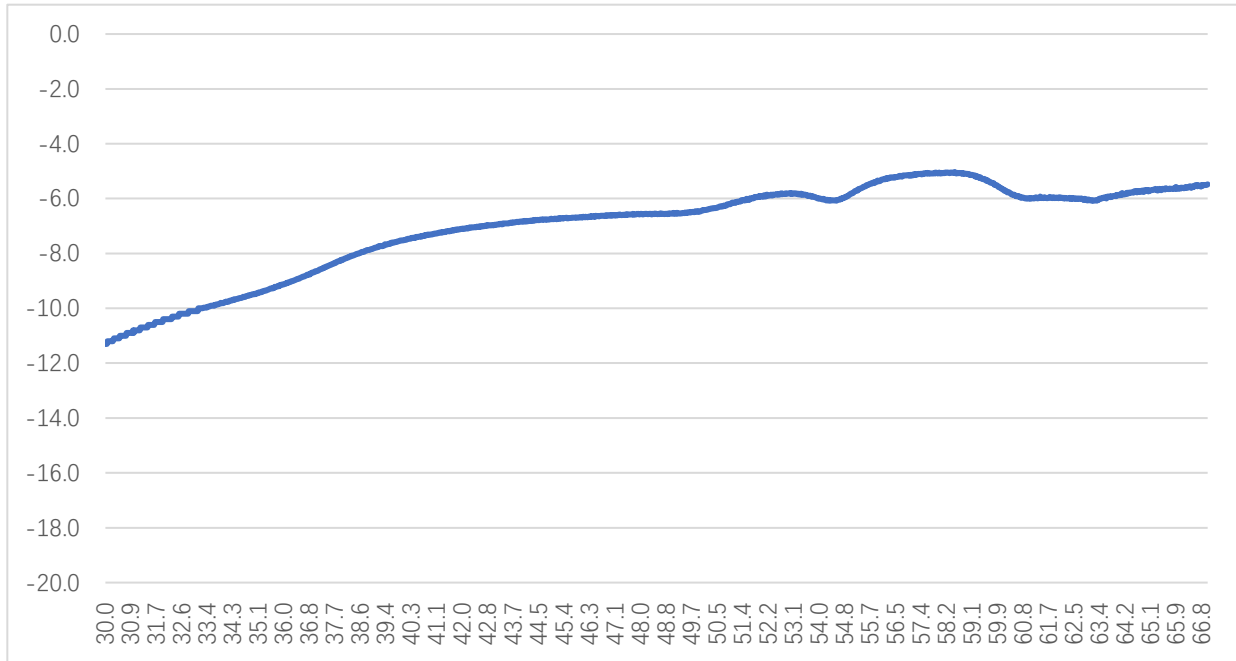
Parameter	Value
Control Voltage	-2 to 0.7V
RF Input Power	+15dBm
Operating Temperature	-40 to +85C
Storage Temperature	-65 to +150C

Notes:

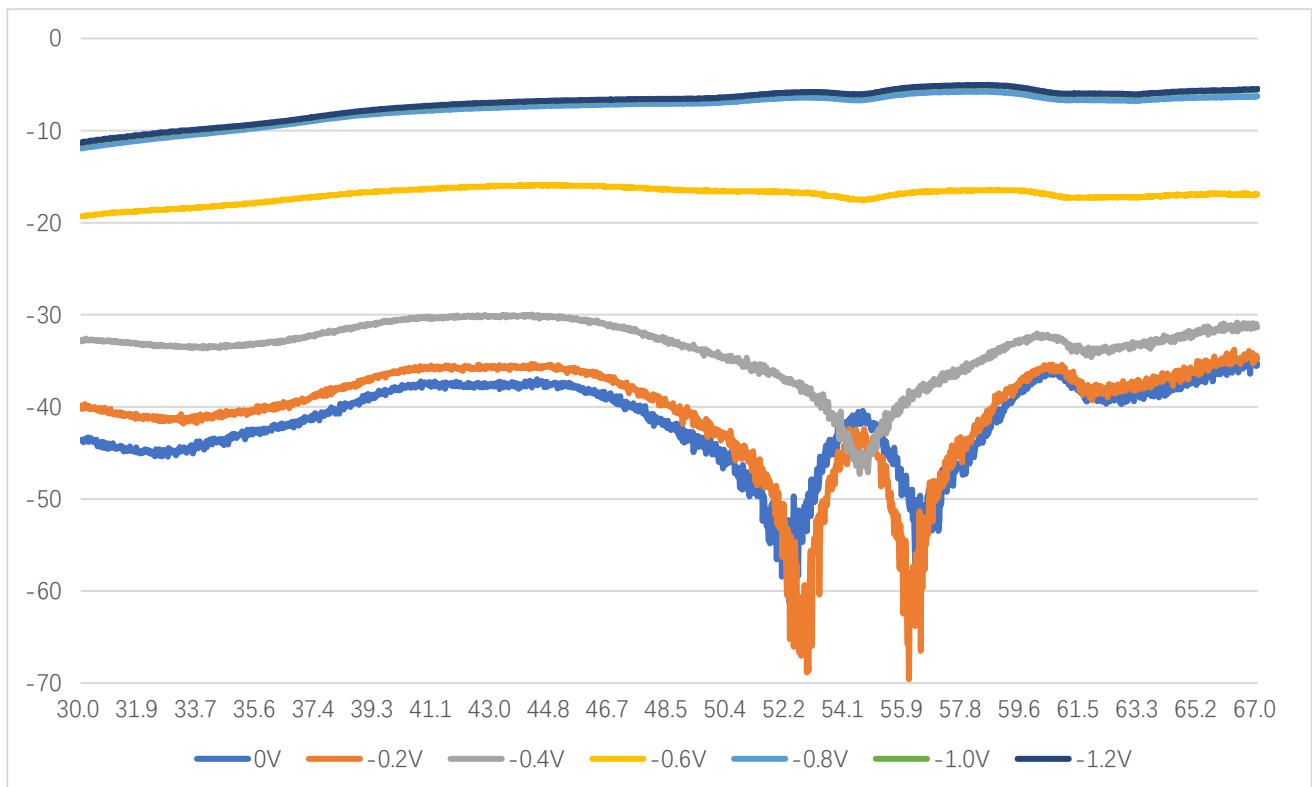
1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.



Test Data:

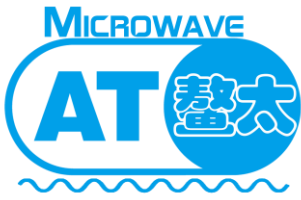


Conversion Loss vs Frequency at V = -1.2V



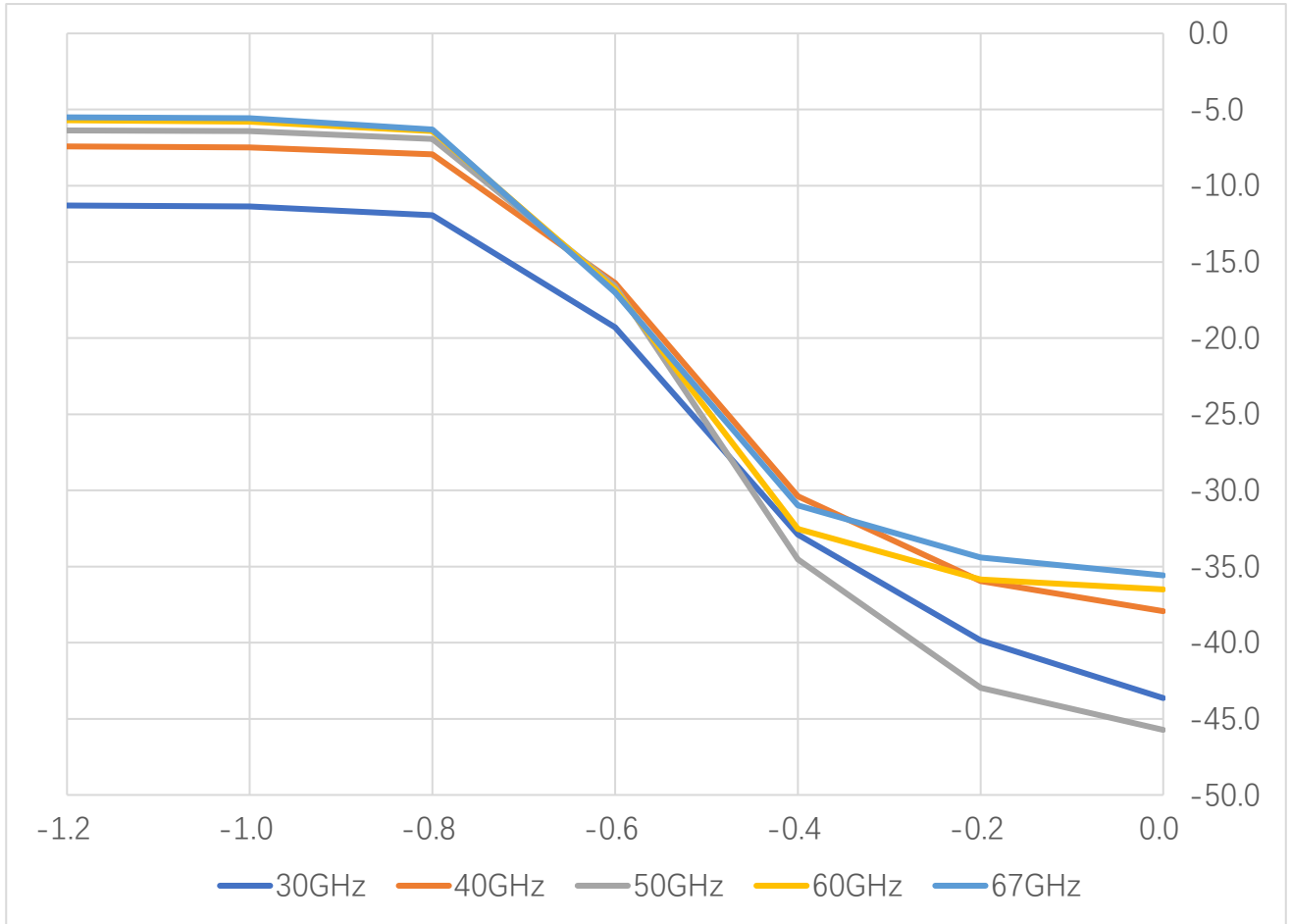
Attenuation vs Frequency at Different Voltage





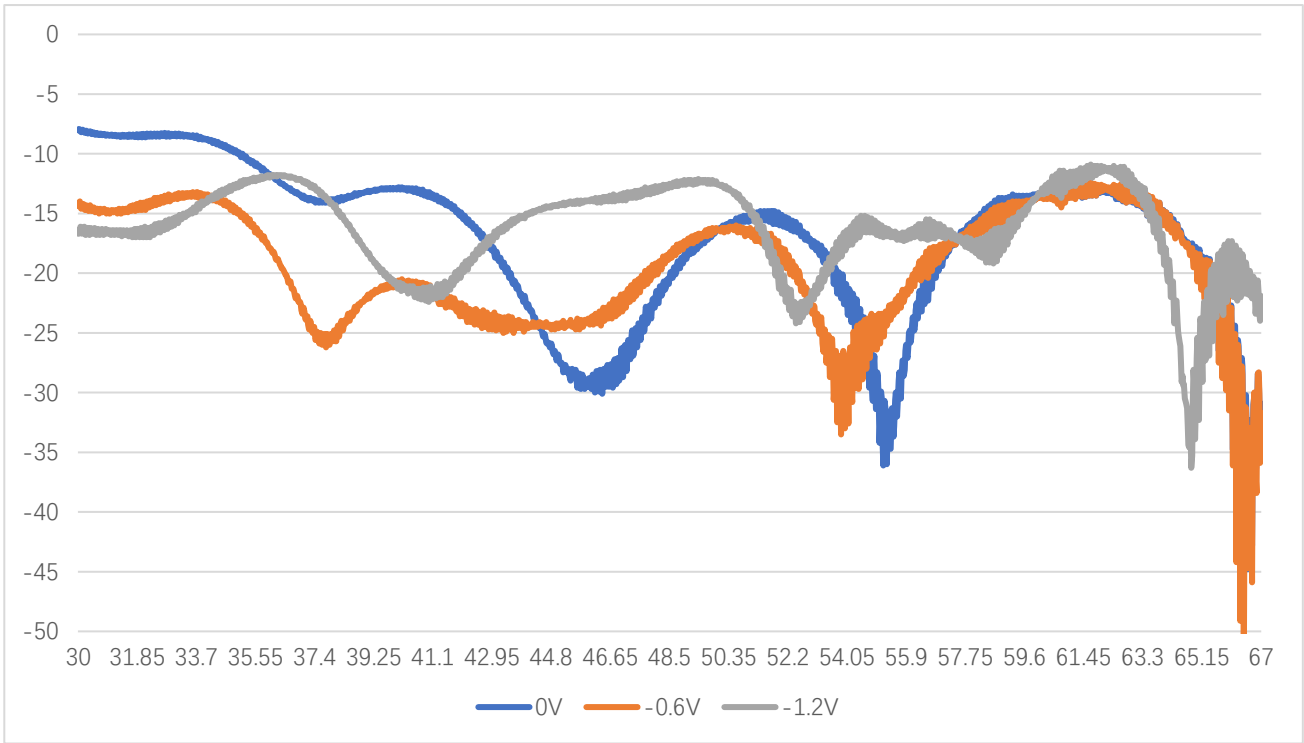
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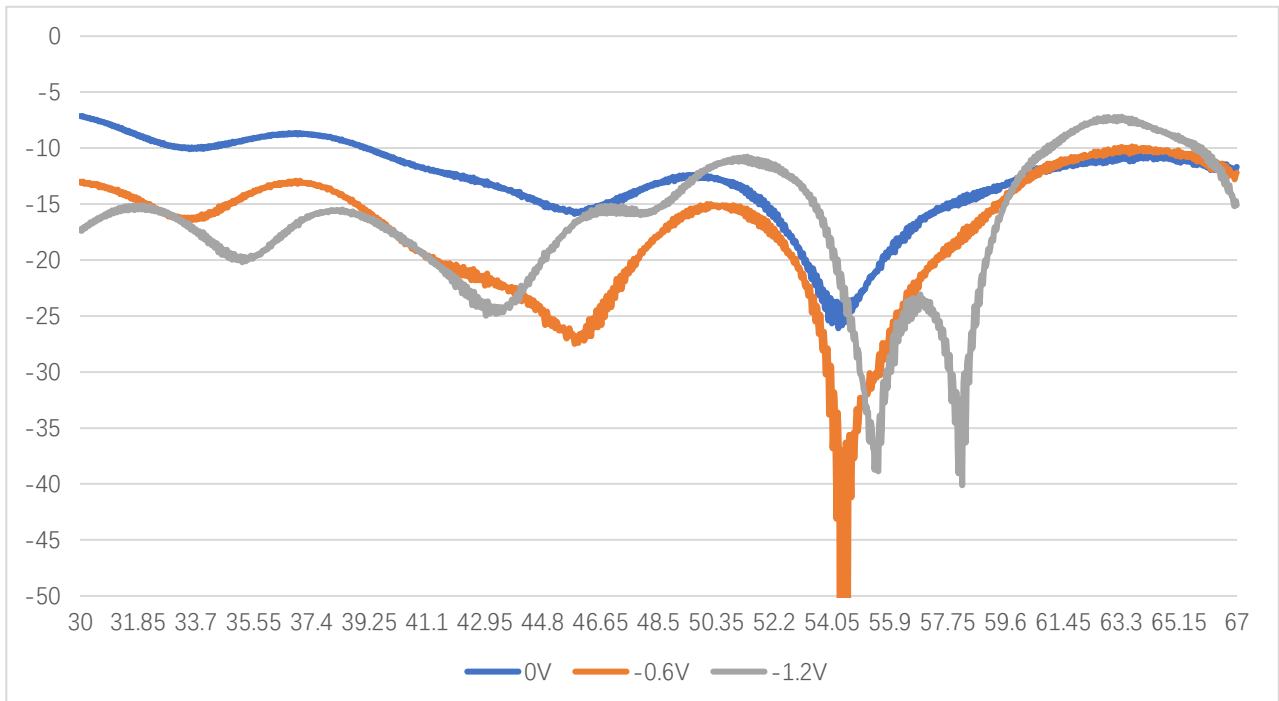


Attenuation Range vs Frequency





S11 Vs Frequency



S22 vs Frequency



Dimension (mm)

