

75-110GHz VVA and Attenuator



Description:

AT-VVA-75110-35 is a MMIC Based VVA (Single pole Single throw) switch covering 75-110GHz. It also can be used as an voltage controlled attenuator. This module offers a low insertion loss of -6 dB with typical isolation of -20dBc.

It also has good return loss from 75-110GHz band in both ON and OFF state. The input and output connectors are WR-10 Waveguide. Other connectors can be provided according to request.

More information, visit www.atmicrowave.com

Feature

- ✓ Frequency: 75-110GHz
- ✓ Low insertion Loss, -6 dB
- ✓ High isolation: -35dBc
- ✓ Very fast speed

Application

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

Electronical Specifications:

Parameter	Min	Typical	Max
Frequency(Note1)		75-110GHz	
Insertion Loss		-6dB	-8
Isolation		-35 dBc	
Control Voltage		-1.2 and 0 V	
Power Consumption		0mW	
Input Return Loss		-10dB	
Input Return Loss		-10dB	
Spec Temp		25C	





AT-VVA-75110-35

75-110GHz Voltage Variable Attenuator

Mechanical Information

Item	Description
Input Port	WR-10
Output Port	WR-10
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	100g
Size:	TBD

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.



Dimension (mm)

