

60-90GHz VVA and Attenuator



Description:

AT-VVA-6090G-20 is a MMIC Based VVA covering 60-90GHz. 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 60-90GHz band in both ON and OFF state. The input and output connectors are WR-12 Waveguide. Other connectors can be provided according to request.

More information, visit www.atmicrowave.com

Feature

- ✓ Frequency: 60-90GHz
- ✓ Low insertion Loss, -4 dB
- ✓ Attenuation Range: -20dB
- ✓ Very fast speed

Application

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

Electronical Specifications:

| Parameter | Min | Typical | Max |
|-------------------|-----|-------------|------|
| Frequency(Note1) | | 60-90GHz | |
| Insertion Loss | | -4dB | -6dB |
| Attenuation Range | | 20dB | |
| Control Voltage | | -1.2 to 0 V | |
| Power Consumption | | 0mW | |
| Input Return Loss | | -10dB | |
| Input Return Loss | | -10dB | |
| Spec Temp | | 25C | |





AT-VVA-6090G-20

60-90GHz Voltage Variable Attenuator

Mechanical Information

| Item | Description |
|---------------|-------------|
| Input Port | WR-19 |
| Output Port | WR-19 |
| Case Material | Copper |
| Finish | Gold Plated |
| Weight | 100g |
| Size: | TBD |

Absolute Maximum Ratings Table

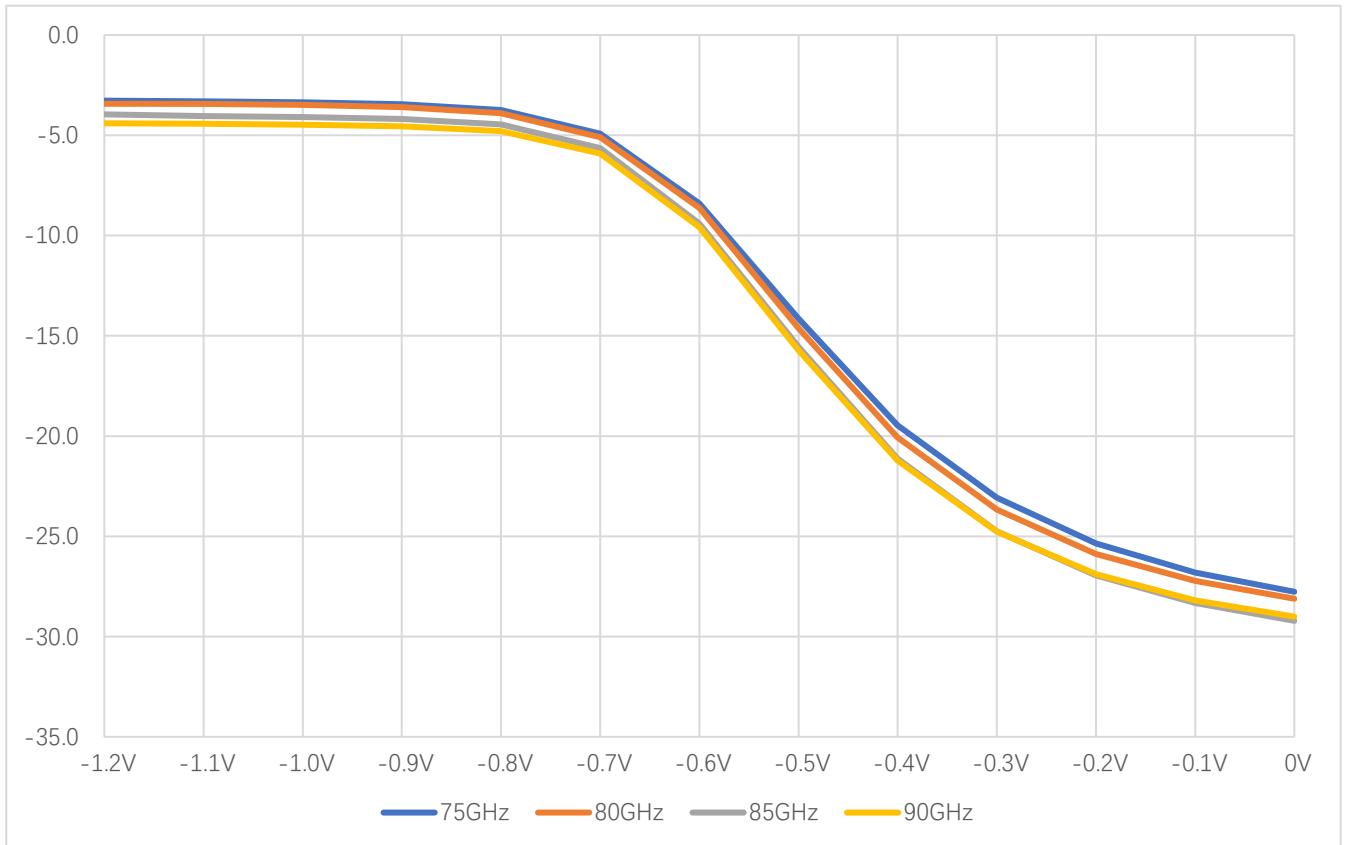
| Parameter | Value |
|-----------------------|--------------|
| Control Voltage | -2 to 0.7V |
| RF Input Power | +15dBm |
| Operating Temperature | 0 to +50C |
| Storage Temperature | -65 to +150C |

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



Attenuation vs Control Voltage at different Frequency

Dimension (mm)

To be added.

