

### 180-240GHz VVA and SPST, WR-04



#### Description:

AT-VVA-180240T-15 is a MMIC Based voltage controlled attenuator, and it can also be used as SPST. This module offers a low insertion loss of -6 dB with typical isolation of -15dBc.

It also has good return loss from 180-240GHz band in both ON and OFF state. The input and output connectors are WR-04 Waveguide. Other connectors can be provided according to request.

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

#### Feature

- ✓ Frequency: 180-240GHz
- ✓ Low insertion Loss, -6 dB
- ✓ Attenuator Range: 10dB
- ✓ Very fast speed

#### Application

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

### Electronical Specifications:

Parameter	Min	Typical	Max
Frequency(Note1)		180-240GHz	
Insertion Loss/VT = -1.2V		-6dB	-10dB
Attenuation Range		10dB: -6 to -16dB	
VVA Mode Control Voltage		-1.2 and 0 V	
SPST Mode		Vt = -1.0V ON Vt = 0V, OFF	
Power Consumption		0mW	
P1dB		+3dBm	
Return Loss		-10dB	
Spec Temp		25C	





# AT-VVA-180240T-15

## 180-240GHz Voltage Variable Attenuator

### Mechanical Information

Item	Description
Input Port	WR-04 with UG-387/U-M anti-cocking Flange.
Output Port	WR-04 with UG-387/U-M anti-cocking Flange.
Case Material	Copper
Finish	Gold Plated
Weight	180g
Size:	See outline

### Absolute Maximum Ratings Table

Parameter	Value
Control Voltage Range	-4V to 0V
RF Input Power	+10dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

### SPST Mode

VT	RF1 to RF2
-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)

