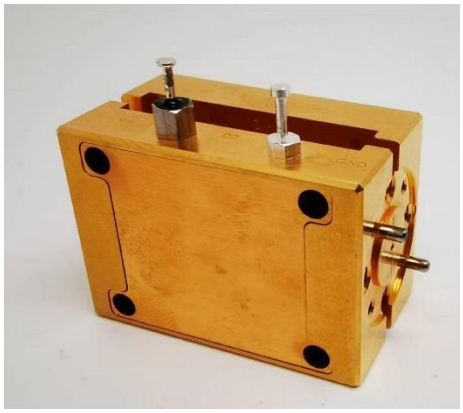
AT-VVA-180240T-20

180-240GHz Voltage Variable Attenuator

180-240GHz VVA and SPST, WR-04



Description:

AT-VVA-180240T-30 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 -30dBc.

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

Feature

- ✓ Frequency: 180-240GHz
- ✓ Low insertion Loss, -10 dB
- ✓ Attenuator Range: 20dB
- ✓ Very fast speed

Application

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

Electronical Specifications:

Parameter	Min	Typical	Max
Frequency		180-240GHz	
Insertion Loss/VT=-1.2V		-10dB	-14dB
Attenuation Range		20dB: -10 to-30 dB	
VVA Mode Control Voltage		-1.2 and 0 V	
SPST Mode		Vt=-1.2V ON Vt=0V, OFF	
Power Consumption		0mW	
P1dB		+3dBm	
Return Loss		-10dB	
Spec Temp		25C	

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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)