

## 2-67GHz Envelope Detector, RF Input Power 30dB Range



### Product Overview

AT-DET-0267F is a broadband envelope detector with 2-67GHz input frequency and 30dB detect range. Input power range is from -15dBm to +15dBm. The envelope bandwidth is 500MHz.

The RF input port is 1.85mm female in default and Vout is SMA Female.

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

### Advantages

- ✓ Frequency: 2-67GHz
- ✓ RF Range: -15 to +15dBm
- ✓ Envelope Bandwidth: 500MHz
- ✓ Single Power Supply

### Application

- ✓ 5G Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

### Key Features

Parameter	Min	Typical	Max
Frequency		2-67GHz	
RF Detection Range		30dB	
Min Input Power	-20dBm	-15dBm	
Max Input Power		+15dBm	
Envelope Bandwidth		500MHz	
Nominal Input Impedance		50 Ohms	
Power Supply		+5V/5mA	
RF Input Return Loss	-5dB	-10dB	
Spec Temp		25C	





# AT-DET-0267F

## 2-67GHz Envelope Detector

### Mechanical Information

Item	Description
Input Port	1.85mm Female
Vout Port	SMA Female
DC Bias	PIN Solder
Case Material	Copper
Finish	Gold Plated
Weight	90g
Size:	See outline

### Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+13V
RF Input Power	+20 dBm
Operating Temperature	-20 to +70C
Storage Temperature	-65 to +150C

#### Caution:

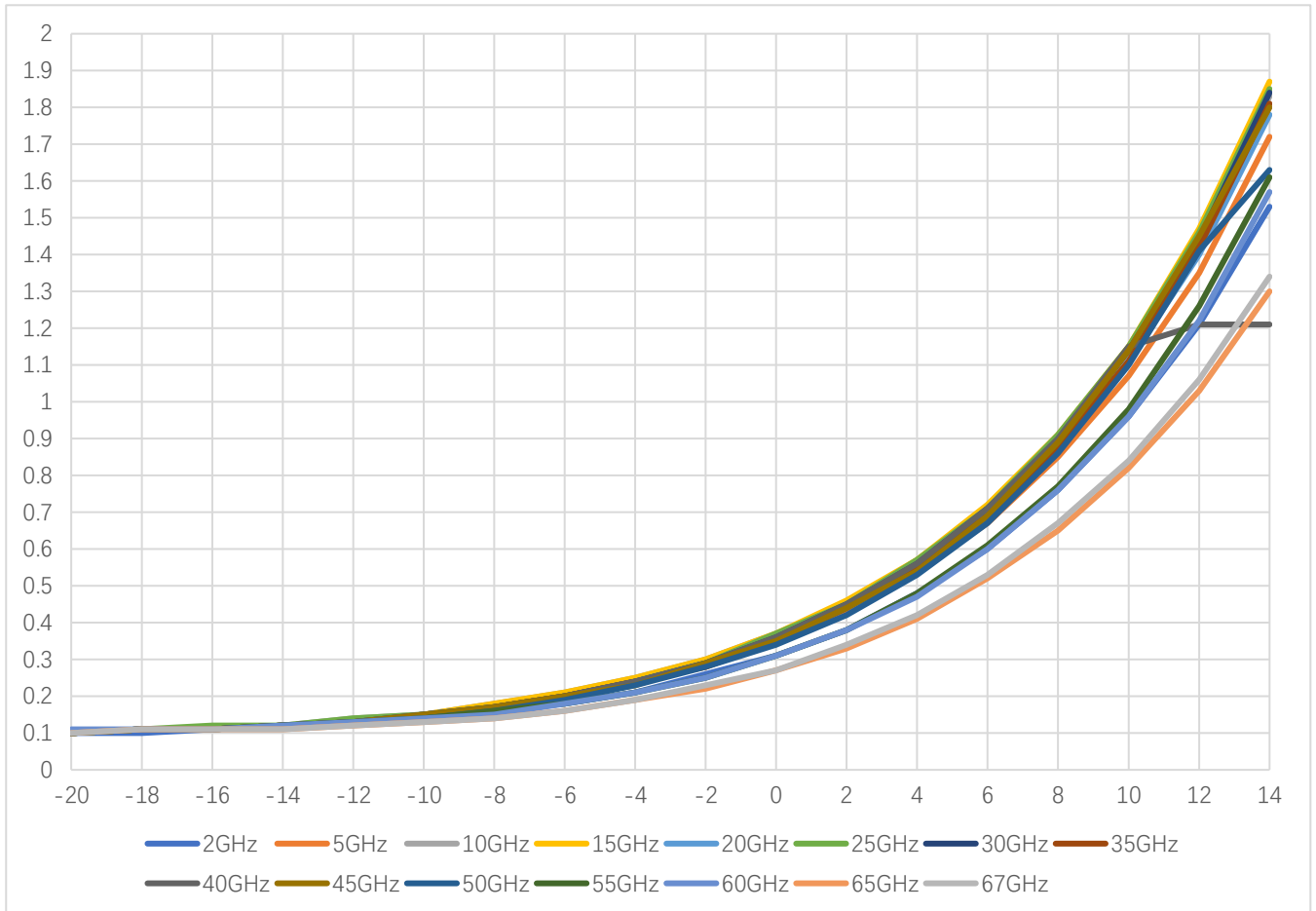
Please pay attention to the case temperature. If case temperature exceed higher than +50C, heat sink and fan are required, or the amplifier may be damaged.

#### 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.



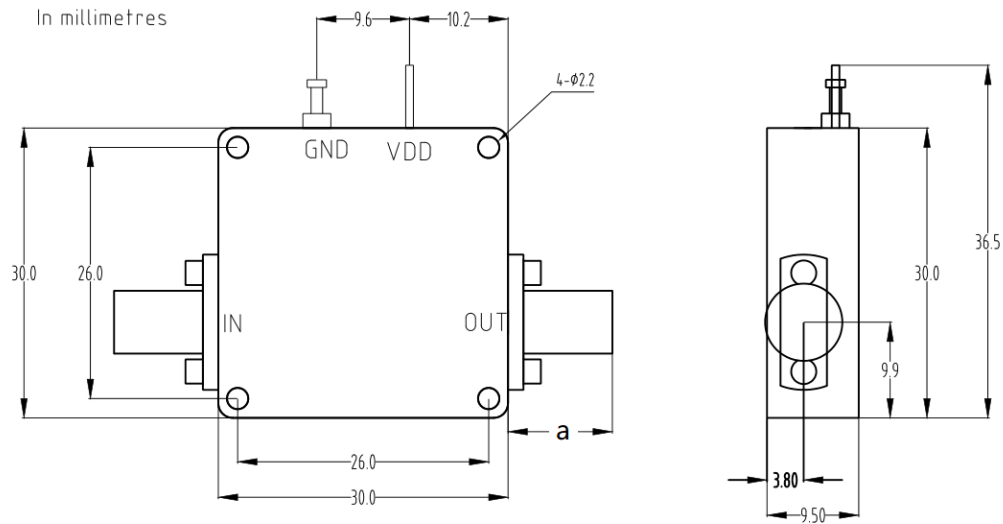
## Test Data



Vout vs Frequency



### Dimension: (unit in mm)



	<26.5GHz	<40GHz	<50GHz	<67GHz
Connector	SMA	2.92mm	2.4mm	1.85mm
Lenth of a	9.4mm	9.5mm	10.8mm	11.3mm

Note: Female Default. Contact with us for other types.

