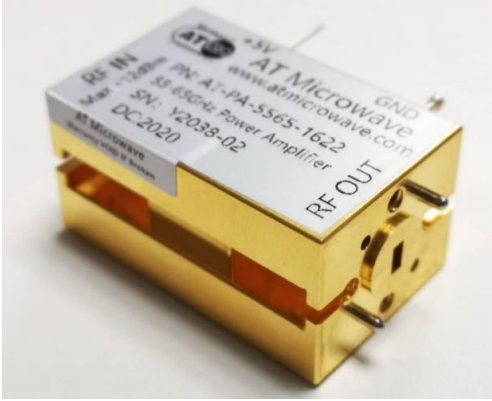


V Band Power Amplifier



Product Overview

AT-PA-6571-2026 is power amplifier with +26dBm output power in the frequency of 65-71GHz. The DC power requirement is +5/1400mA. The module is with a standard WR-15 waveguide.

The power amplifier has high gain, high linearity, low input/output return loss and flat gain response.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 65-71GHz
- ✓ Psat:+26dBm
- ✓ Small signal gain: 20dB
- ✓ Single Power Supply

Application

- ✓ V Band Point to Point Communication
- ✓ FOD (Foreigner Objects Debris)
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Key Features

Parameter	Min	Typical	Max
Frequency(Note1)		65-71GHz	75GHz
Gain	18	20dB	
Drain Supply		+5V	+7V
Current/A		1.4	
P1dB		+25dBm	
Psat	+25	+26dBm	
Input Return Loss		-7 dB	
Output Return Loss		-7 dB	
Spec Temp		25C	

Note: Heatsink and fan are required.





AT-PA-6571-2026

65-71GHz Power Amplifier, Psat=+26dBm

Mechanical Information

Item	Description
Input Port	WR-15
Output Port	WR-15
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	221g
Size:	50X25X20mm

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+8V
RF Input Power	+18dBm
Operating Temperature	0 to +50C
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.



Dimension: (unit in mm)

