

AT-PA-5766-2526

57-66GHz High Power Amplifier, Psat=+26dBm

V Band High Power Amplifier



Product Overview

AT-PA-5766-2526 is high power amplifier with +26dBm output power in the frequency of 57-66GHz. The DC power requirement is +5V/1800mA. 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: 57-66GHz
- ✓ Psat:+26dBm
- ✓ Small signal gain: 25dB
- ✓ Single Power Supply

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		57-66GHz	
Gain	20	25dB	
P1Db		+25dBm	
Psat	+25dBm	+26dBm	
Drain Supply		+5V	+6V
Quiescent Current		1.3A	
IDD PSAT		1.8A	
Input Return Loss		-7dB	
Output Return Loss		-7dB	
Spec Temp		25C	





AT-PA-5766-2526

57-66GHz High 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)	100g
Size:	65x25x20

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+7V
RF Input Power	+15dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

Caution:

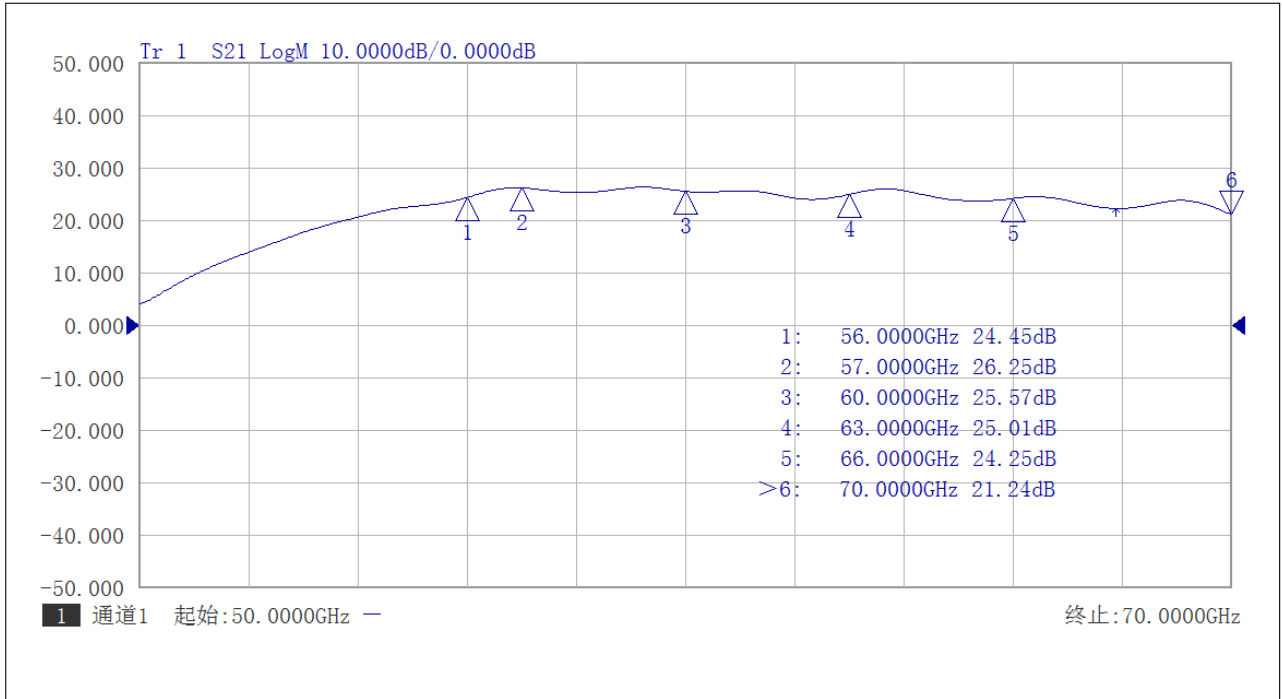
Please pay attention to the case temperature. If case temperature exceed higher than +50C, heat sink and fan are required, or the amplifier may be damaged.

Notes:

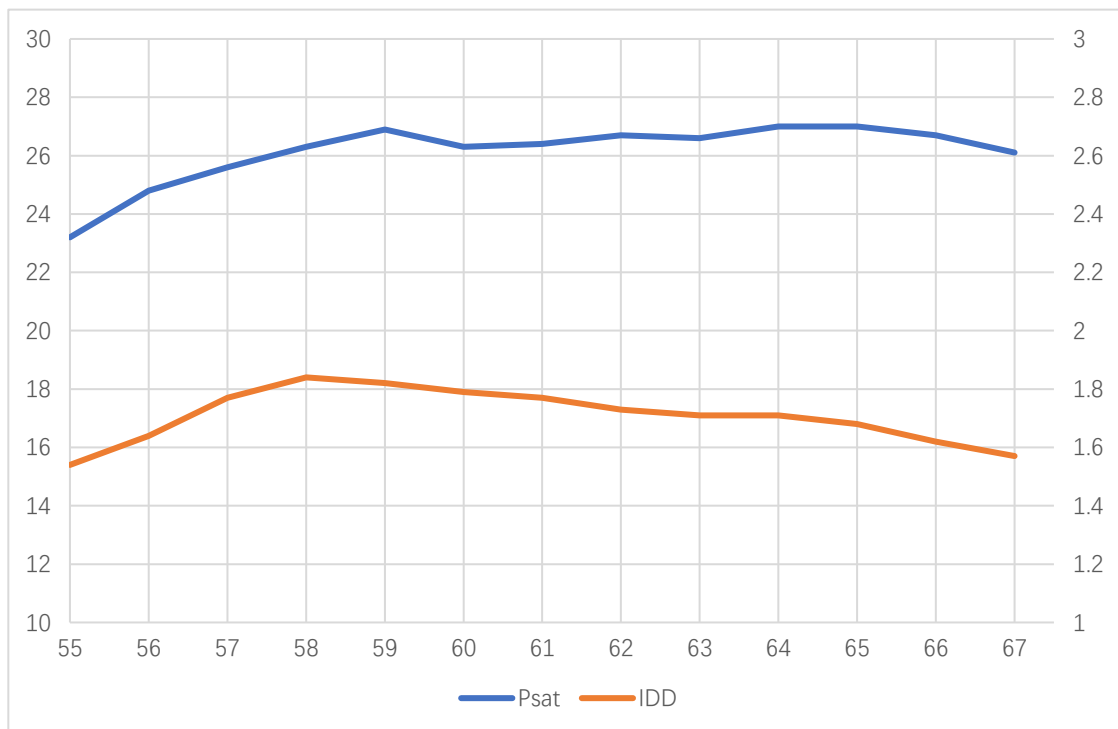
1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.



Test Data:

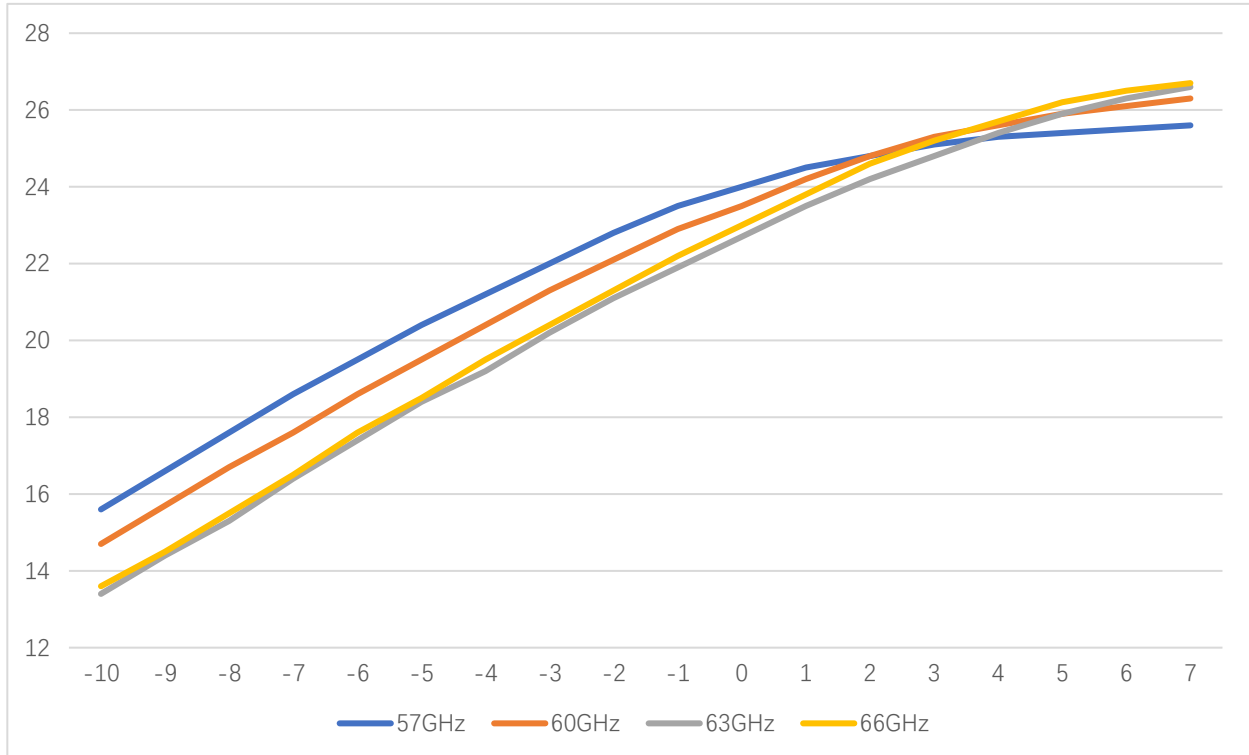


Gain vs Frequency



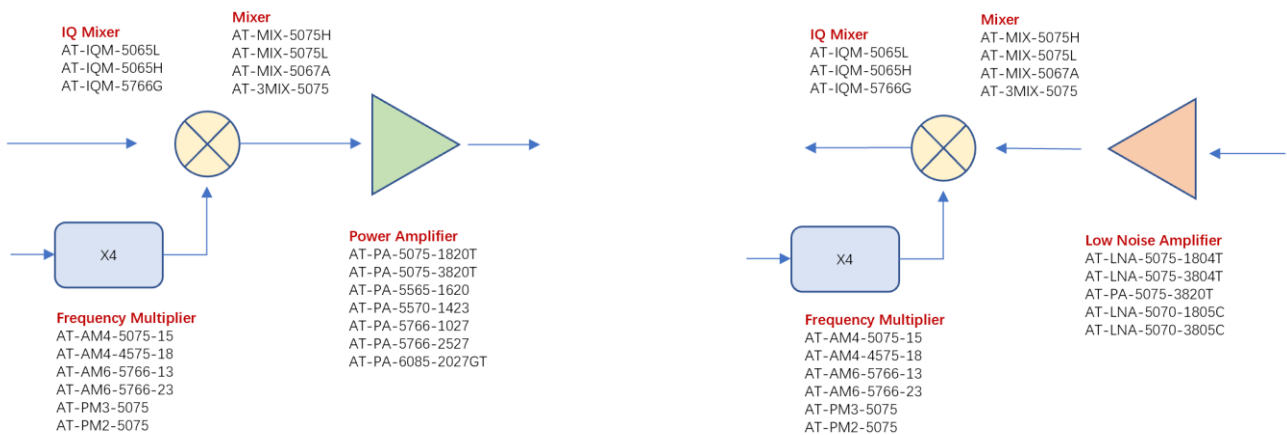
Pout and IDD vs Frequency





Pout vs Pin at 57/60/63/66GHz

V Band 50-75GHz



Dimension: (unit in mm)

