

E1 Band Power Amplifier



Product Overview

AT-PA-6978-1825 is power amplifier with +25dBm output power in the frequency of 69-78GHz. The DC power requirement is +5V/800mA. The module is with a standard WR-12 waveguide.

The power amplifier has high gain, high linearity, low input/output return loss and flat gain response. WR-15 can be made according to request.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 69-78GHz
- ✓ Psat:+25dBm
- ✓ Small signal gain: 18dB
- ✓ Single Power Supply

Application

- ✓ E1 Band Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Key Features

Parameter	Min	Typical	Max
Frequency		69-78GHz	
Gain		18dB	
Drain Supply		+5V	+8V
P1db		+23dBm	
Psat	+23	+25dBm	
Current		800 mA	
Input Return Loss		-7dB	
Output Return Loss		7dB	
Spec Temp		25C	





AT-PA-6978-1825

69-78GHz Power Amplifier, $P_{sat}=+25dBm$

Mechanical Information

Item	Description
Input Port	WR-12
Output Port	WR-12
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	270g
Size:	57.5x40.5x22.4 mm

Absolute Maximum Ratings Table

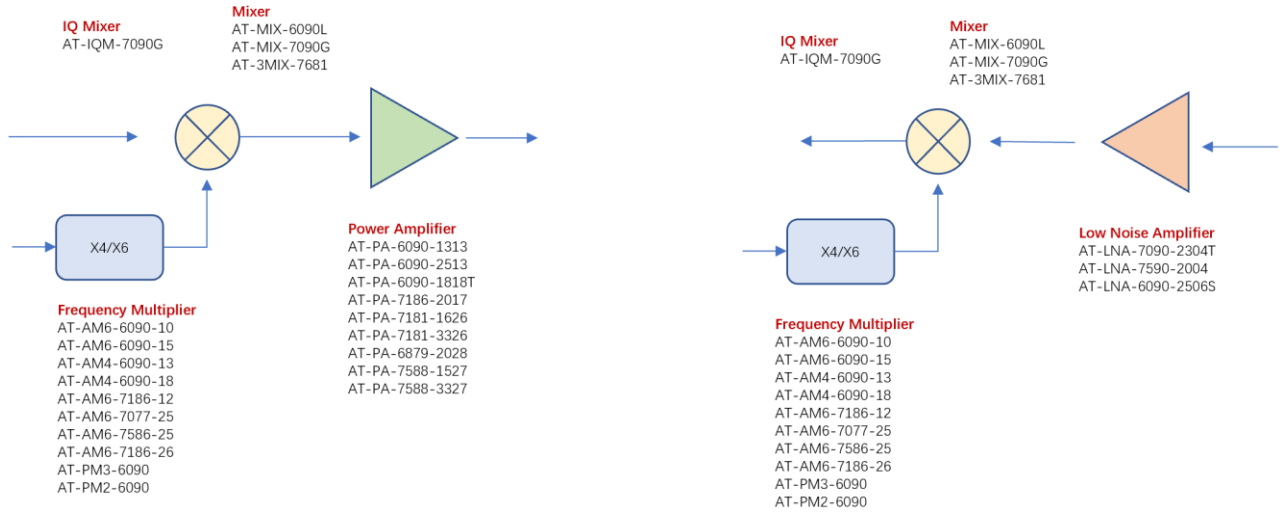
Parameter	Value
Drain Supply	+9V
RF Input Power	+0dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

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.



E Band 60-90GHz



Dimension:(unit in mm)

