

W Band Power Amplifier, +33dBm



This

Product Overview

AT-PA-9294-1233 is power amplifier with +33dBm output power in the frequency of 92-94GHz. The DC power requirement is +12V/2A. The module is with a standard WR-10 waveguide. GaN chips are used inside module.

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

AT-PA-9098-2726 or AT-PA-85100-1226 can be used as drive for this high power amplifier.

picture is just for reference, not actual picture.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 92-94GHz
- ✓ Psat:+33dBm
- ✓ Small signal gain: 12dB
- ✓ Single Power Supply

Application

- ✓ W band Imaging
- ✓ FOD (Foreigner Objects Debris)
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Key Features

Parameter	Min	Typical	Max
Frequency		92-94GHz	
Gain (Small Signal Gain)		12dB	
Output Saturated Power	+32	+33 dBm	
Supply Voltage (V)		+16V	+18V
Current (A)		2	
Input Return Loss		-5dB	
Output Return Loss		-5dB	
Material		Brass	





AT-PA-9294-1233

92-94GHz Power Amplifier, Psat=+33dBm

Absolute Maximum Ratings Table

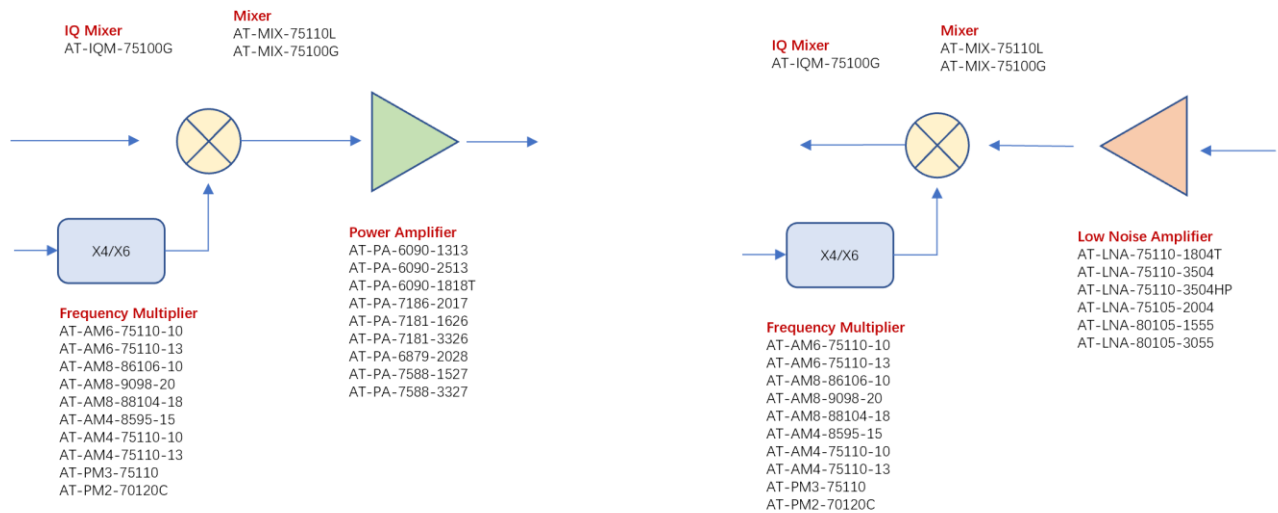
Parameter	Value
Positive Voltage Supply	+18V
RF Input Power	+15dBm
Operating Temperature	0 to +50°C
Storage Temperature	-65 to +150°C

Don't Leave Output Open with Bias and RF Input.

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.

W BAND 75-110GHZ



Dimension

Following dimension is for reference only. Actual dimension provide when place order.

