AT-PA-9296-3033

92-96GHz Power Amplifier, Psat=+33dBm

W Band Power Amplifier, +33dBm

This picture is just for reference, not actual picture.

Product Overview

AT-PA-9296-3033 is power amplifier with +33dBm output power in the frequency of 92-96GHz. 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.
More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 92-96GHz
- ✓ Psat:+33dBm
- ✓ Small signal gain: 30dB
- ✓ 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		92-96GHz	
Gain （Small Signal Gain）		30dB	
Output Saturated Power	+32	+33 dBm	
Supply Voltage （V）		+16V	+18V
Current （A）		2	
Input Return Loss		-6dB	
Output Return Loss		-10dB	
Dimension(LxWxH)		TBD	
Material		Brass	

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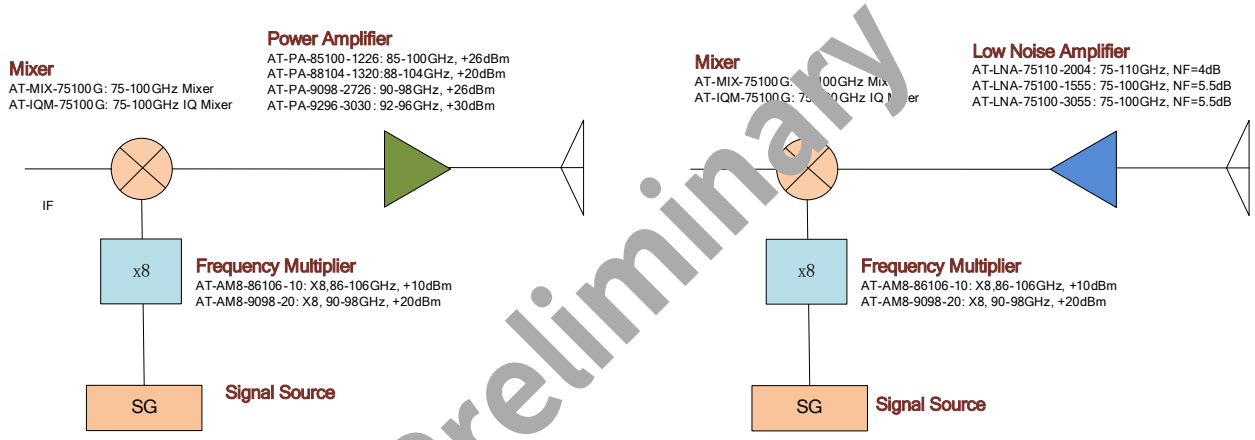
Absolute Maximum Ratings Table

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

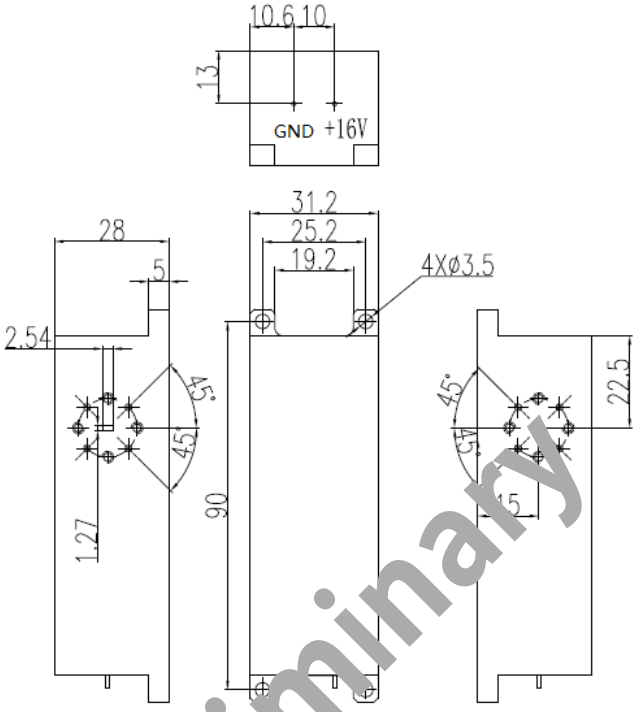
Don't Leave Output Open with Bias and RF Input.

W Band Solution:



Dimension

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



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.