

AT-PA-9296-30-30

92-96GHz Power Amplifier, Psat=+30dBm

W Band Power Amplifier, +30dBm



Description:

AT-PA-929630 is power amplifier with +30dBm output power in the frequency of 92-96GHz. The DC power requirement is +16V/0.8A. 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. It can also be used from 88-100GHz with some variation of performance.

Feature

- ✓ Frequency: 92-96GHz
- ✓ Psat:+30dBm
- ✓ Small signal gain: 30dB
- ✓ Single Power Supply

Application

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

Electronical Specifications:

Parameter	Min	Typical	Max
Frequency(Note1)	88GHz		97GHz
Gain (Small Signal Gain)		30dB	
Output Saturated Power (Note1)	+29	+30 dBm	
Supply Voltage (V)		+16	+18
Current (A)		0.86	0.95
Input Return Loss		-6dB	
Output Return Loss		-10dB	
Dimension(LxWxH)		90x32x28mm	
Material		Brass	

Note1: Higher power amplifier module is available. Please contact with us.

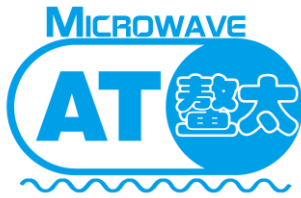
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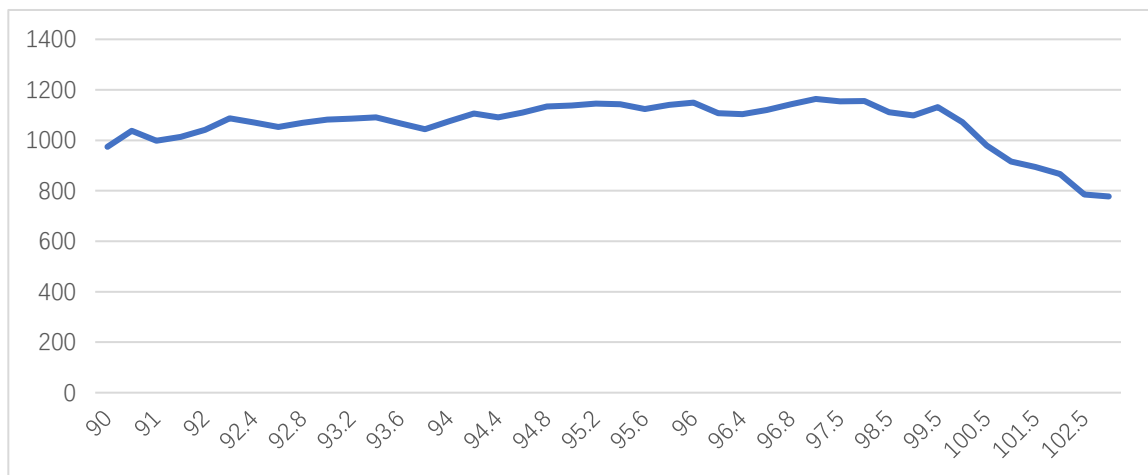
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92-96GHz Power Amplifier, $P_{sat}=+30\text{dBm}$

Absolute Maximum Ratings Table

Parameter	Value
Positive Voltage Supply	+20V
Negative Voltage Supply	-5V
RF Input Power	+15dBm
Operating Temperature	-40 to +85°C
Storage Temperature	-65 to +150°C

Pout vs. Frequency(25°C, $P_{in}=+10\text{dBm}$)



Dimension

