



AT-BTPA-75110-3313T

75-110GHz Power Amplifier, $P_{sat}=+13dBm$

W Band Broadband Power Amplifier Bench-top Test Equipment



Product Overview

AT-BTPA-75110-3313T is power amplifier with +13dBm output power in the frequency of 75-110GHz. The module is with a standard WR-10 waveguide.

The power amplifier has high gain, high linearity, low input/output return loss and flat gain response. Higher gain module is available by AT-LNA-75110-3504HP with gain=35dB, NF=4dB and $P_{out}=+13dBm$

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 75-110GHz
- ✓ P_{sat} :+13dBm
- ✓ Small signal gain: 33dB
- ✓ 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		75-110GHz	
Gain	30dB	33dB	
P1dB	+10	+12 dBm	
P_{sat}		+13dBm	
Input Return Loss		-10dB	
Output Return Loss		-10dB	
Power Supply	+90V	+220V	+240V
Power Consumption		20W	
Spec Temp		25C	





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Mechanical Information

Item	Description
Input Port	WR-10
Output Port	WR-10
Case Material	Aluminum
Finish	Painting
Weight	1.6KG
Size:	206.5x204x82.9mm

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+260V
RF Input Power	+15 dBm
Operating Temperature	0 to +50C
Storage Temperature	-40 to +125C

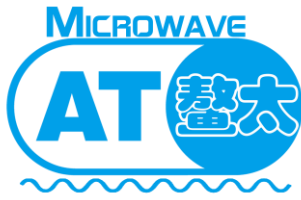
Caution:

Please pay attention to the case temperature. If case temperature exceeds 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.





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Dimension: (mm)

