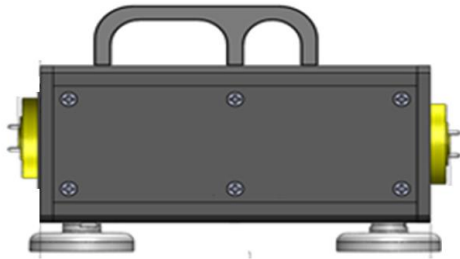


60-90GHz, Full E band PA, Psat=+13dBm



Product Overview

AT-BTPA-6090-2513 is a medium power amplifier operating in the 60-90GHz frequency range. The MPA is packaged in a waveguide module using industry standard WR12.

The power supply require is a single phase AC voltage in the range of 110-240V, which can be supplied by a wall outlet. A AC TO DC power supply converter is include. The LED light helps to indicate the working status of the amplifier.

More information, please visit www.atmicrowave.com

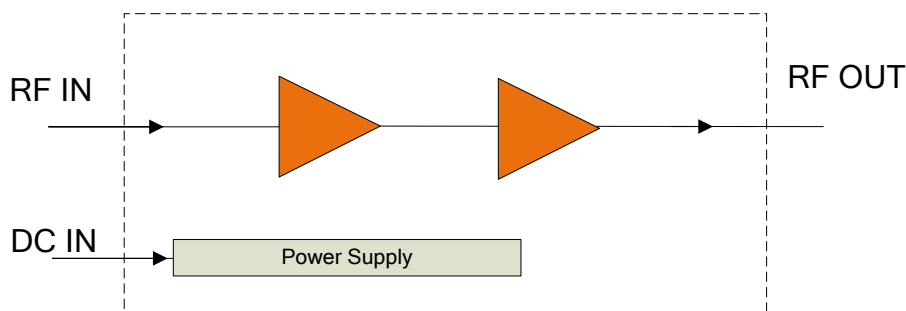
Advantages

- ✓ Frequency: 60-90GHz
- ✓ Gain: 25dB
- ✓ Pout: +13dBm
- ✓ Desk Top Test

Application

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

Diagram Block:





AT-BTPA-6090-2513

Bench-Top Power Amplifier

Key Features

Parameter	Min	Typical	Max
Frequency		60-90GHz	
Gain		25dB	
Noise Figure		6dB	8
Output P1dB		+11dBm	
Psat		+13dBm	
DC Supply (note)		+220V	
Input Return Loss		-10dB	
Output Return Loss		-10dB	
Dimension(LxWxH)		160x130x75 mm	

Note: AC to DC adapter included.

Mechanical Information:

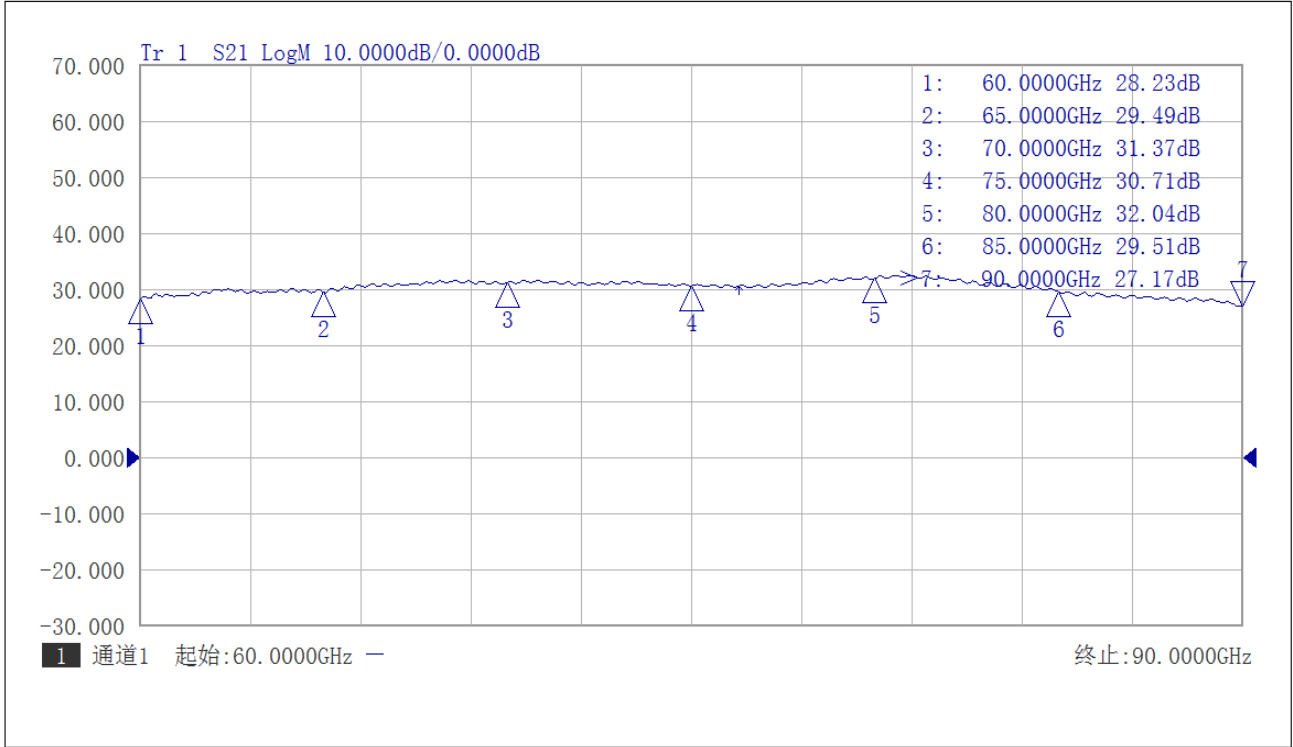
Parameter	Value
RF Input	WR-12 Waveguide with Flange
RF Output	WR-12 Waveguide with Flange
DC Bias	+12V Supply, AC to DC Power Converter included
DC Bias Switch	ON-OFF switch with light indicator
Storage Temperature	-65 to +150C

Notes:

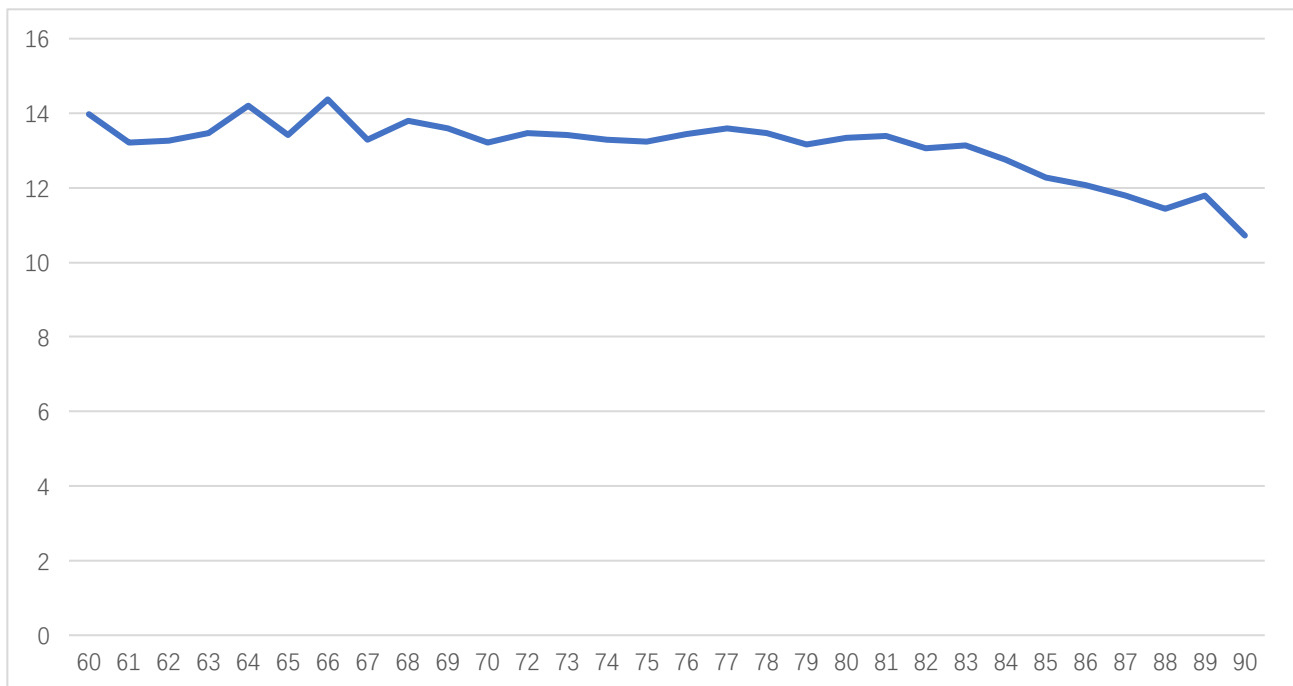
1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.



Test Data (25C) 60-90GHz



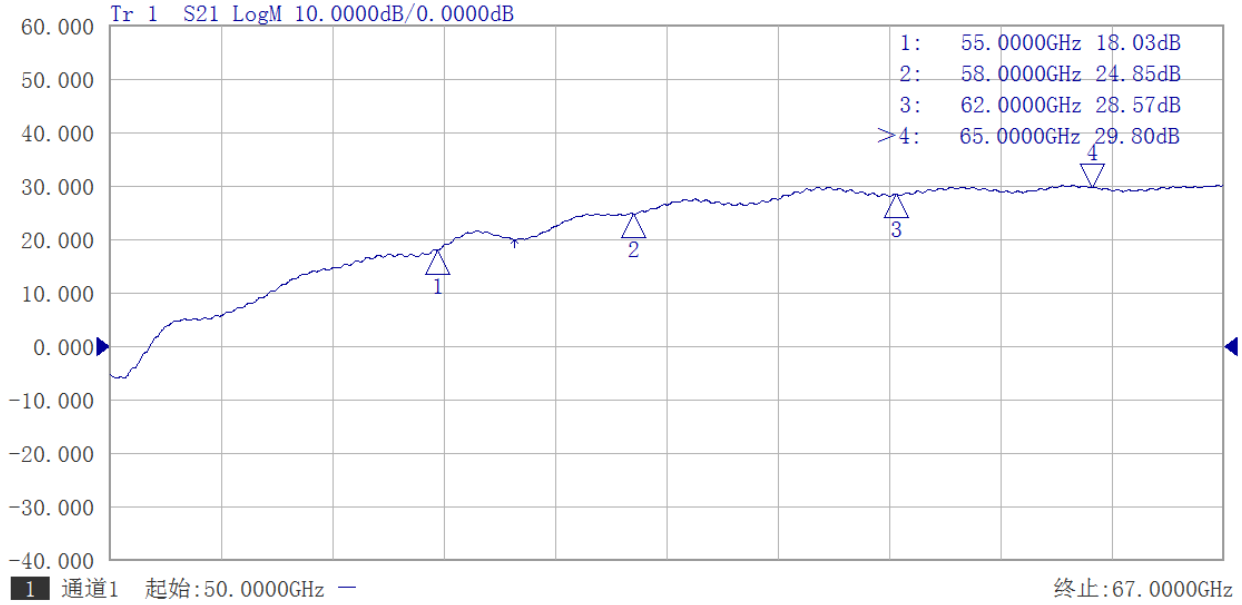
Gain Vs Frequency



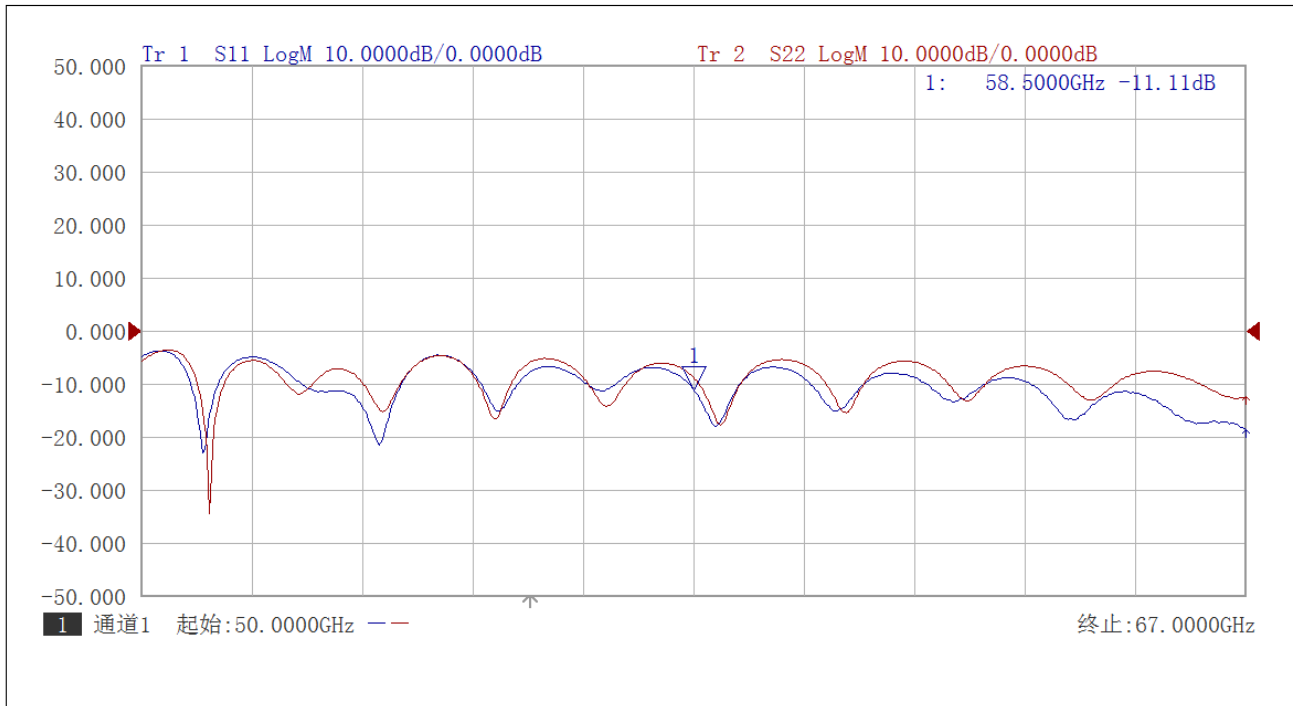
Psat Vs Frequency



Test Data (25C) 55-60GHz (No Guarantee)



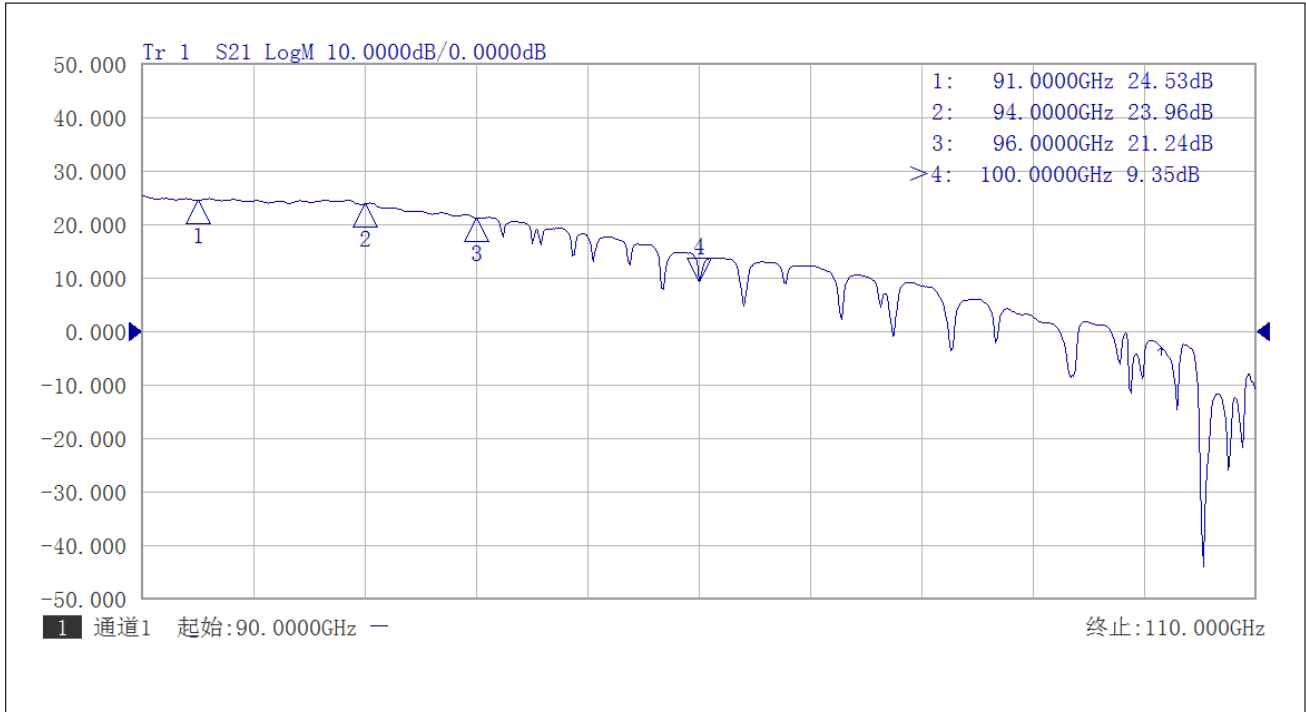
Gain from 50-67GHz



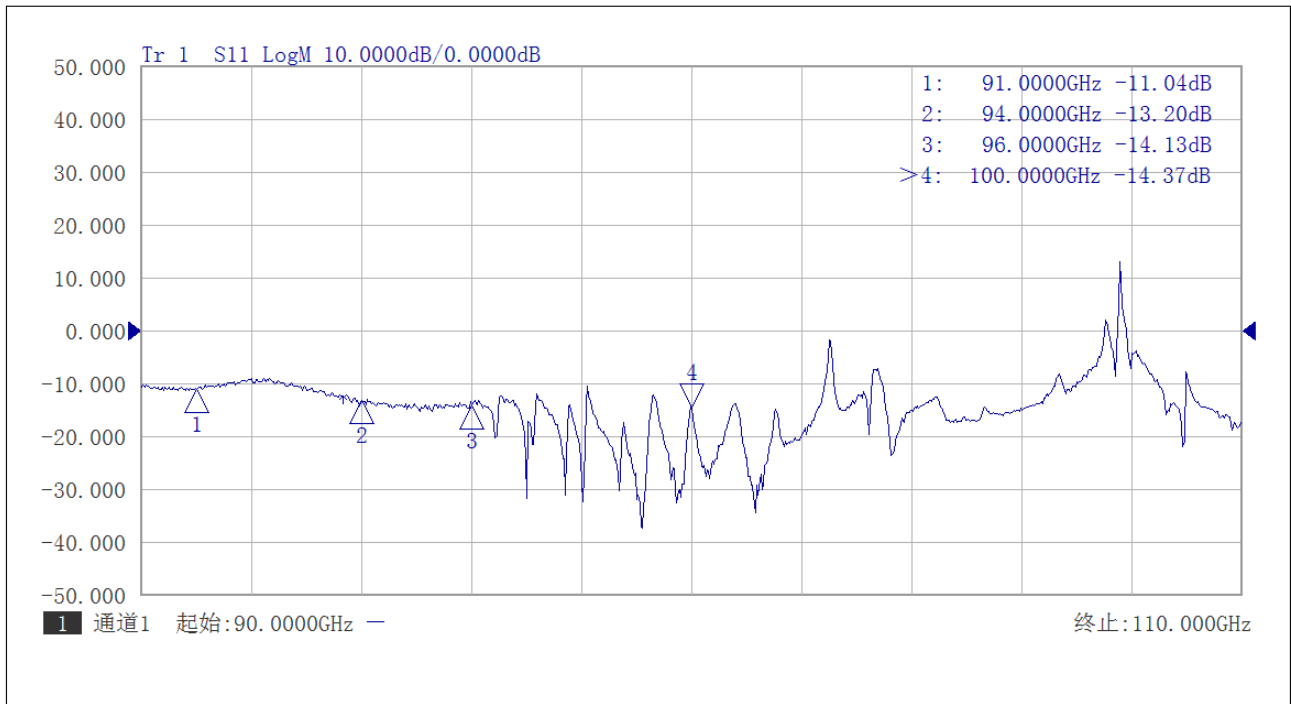
Return Loss from 50-67GHz



Test Data (25C) 90-95GHz (No Guarantee)



Gain from 90-100GHz



Return Loss 90-110GHz



Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+240V
RF Input Power	+5dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

Dimension: (mm)

The dimension maybe changed.

