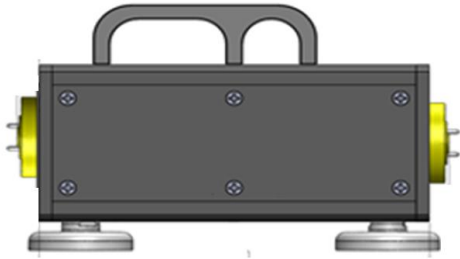


40-60GHz, Full U Band PA



Product Overview

AT-BTPA-4060-3820C is a power amplifier operating in the 40-60GHz frequency range. The PA is packaged in a waveguide module using industry standard WR19.

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

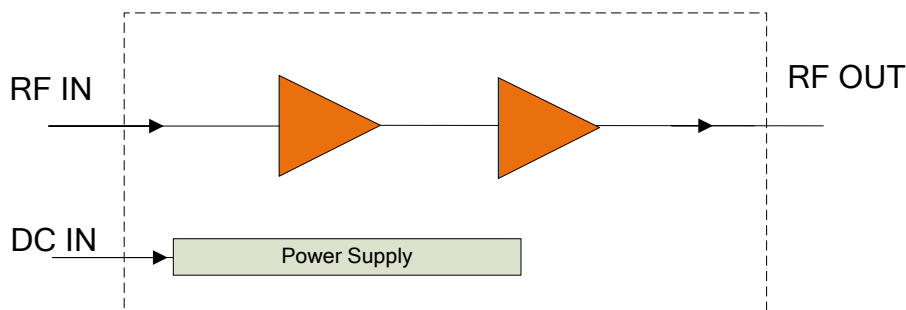
Advantages

- ✓ Frequency: 40-60GHz
- ✓ Gain: 38dB
- ✓ Pout=+20dBm
- ✓ Bench-Top Labs Test

Application

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

Diagram Block:





AT-BTPA-4060-3820C

Bench-Top Power Amplifier

Key Features

Parameter	Min	Typical	Max
Frequency		40-60GHz	
Gain		38dB	
Input Power		-15dBm	+5dBm
Output P1dB		+28dBm	
Psat		+20dBm	
DC Supply (note)		+12V/0.5A	
Input Return Loss		-10dB	
Output Return Loss		-10dB	
Input /Output Port		WR-19	
Dimension(LxWxH)		160x130x75 mm	
Specification Temperature		+25C	
Operating Temperature		0 to 50C	

Note: AC to DC adapter included.

Mechanical Information:

Parameter	Value
RF Input	WR-19 Waveguide with Flange
RF Output	WR-19 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.

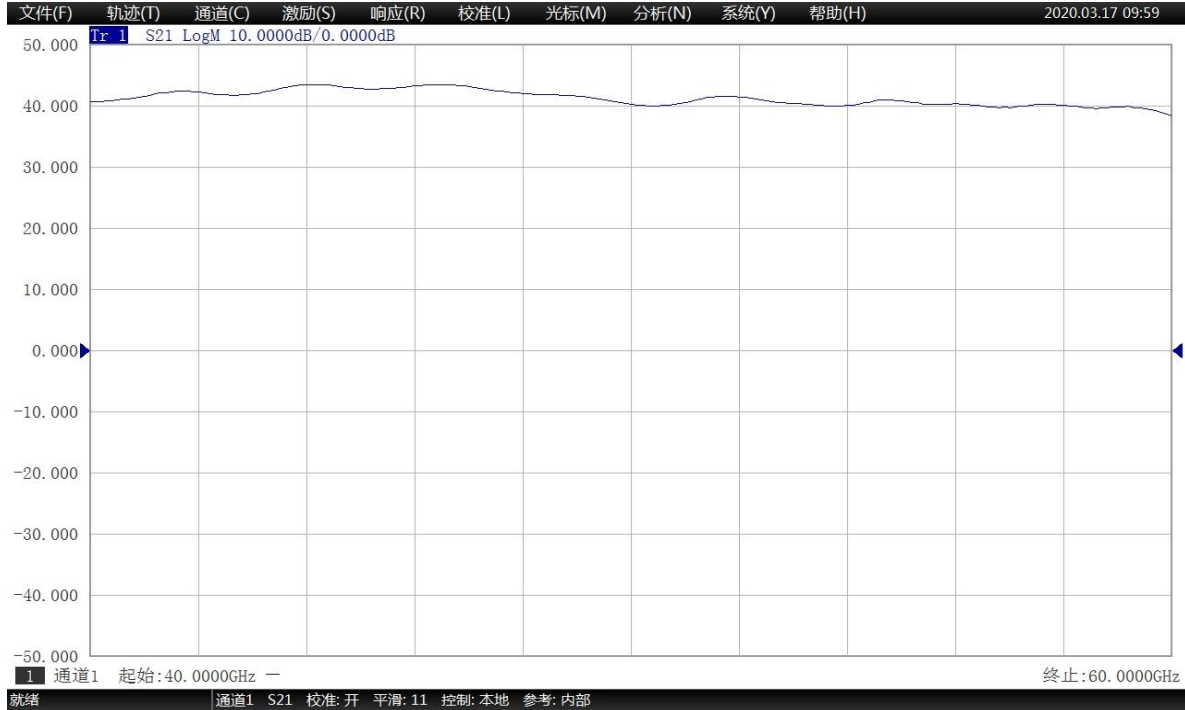




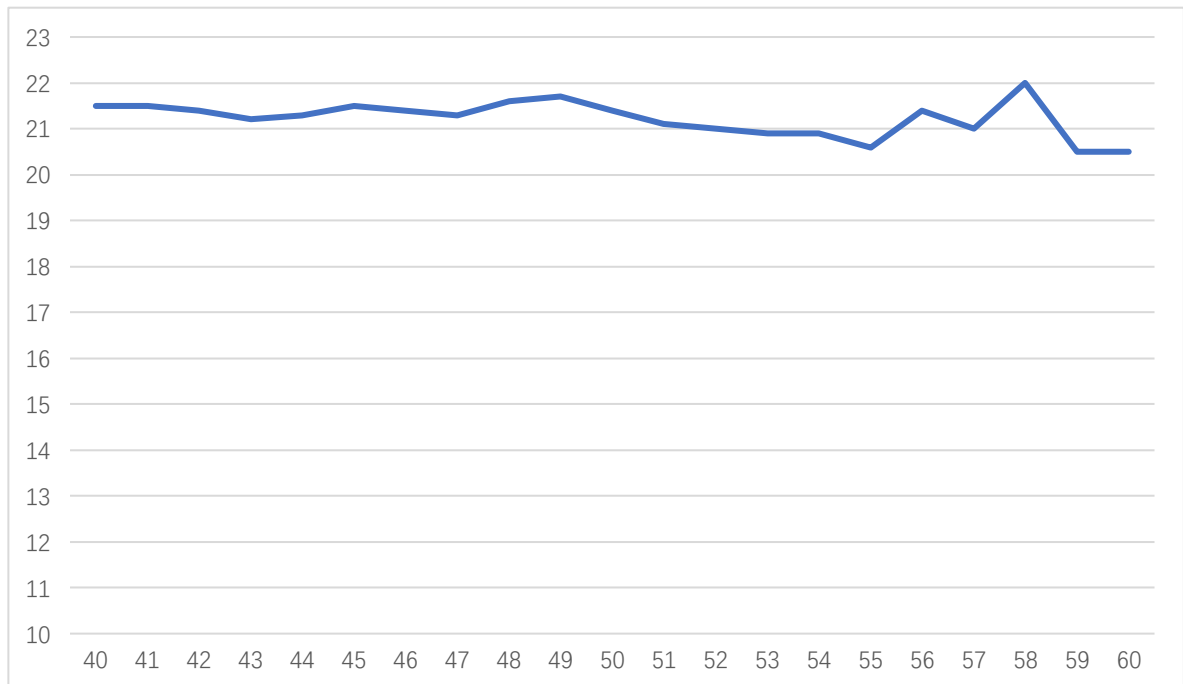
AT-BTPA-4060-3820C

Bench-Top Power Amplifier

Test Data:



Gain vs Frequency



Pout vs Frequency



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.

