



AT-BTPA-6090-3518T

60-90GHz Broadband Power Amplifier

Full E Band Power Amplifier, 60-90GHz Bench-top Test Equipment, Gain=35dB



Product Overview

AT-BTPA-6090-3518T is a full E Band power amplifier operating in the 60-90GHz frequency range with Pout=+18dBm. The PA is packaged in a waveguide module using industry standard WR-12.

GaAs pHEMT MMIC technology PA Chip is used, which ensures reliable and repeatable unit-to-unit result.

More information, please visit www.atmicrowave.com.

Advantages

- ✓ Frequency: 60-90GHz
- ✓ Gain: 35dB
- ✓ Pout=+18dBm
- ✓ Single Power Supply

Application

- ✓ E band Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Key Features

Parameter	Min	Typical	Max
Frequency		60-90GHz	
Gain	32	35dB	
P1dB		+16dBm	
Psat		+18dBm	
Input Return Loss		-10dB	
Output Return Loss		-10dB	
Power Supply	+90V	+220V	+240V
Power Consumption		10W	
Spec Temp		25C	





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Mechanical Information

Item	Description
Input Port	WR-12
Output Port	WR-12
Case Material	Aluminum
Finish	Painting
Weight	1.6KG
Size:	See Outline

Absolute Maximum Ratings Table

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

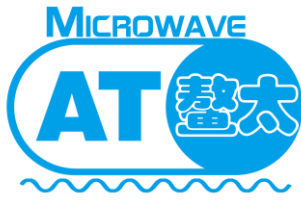
Caution:

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)

