

18-40GHz Broadband Amplifier, +30dBm Bench-Top Test Equipment

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Product Overview

AT-BTPA-1840-3030GN is high gain power amplifier with +30dBm output power in the frequency of 18-40GHz. The DC power range is +90V to 240V. The module is with 2.92mm connector.

The power amplifier has high gain, high linearity, low input/output return loss and flat gain response.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 18-40GHz
- ✓ Pout:+30dBm
- ✓ Small signal gain: 30dB
- ✓ Single Power Supply

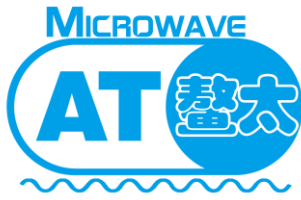
Application

- ✓ 5G Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Key Features

Parameter	Min	Typical	Max
Frequency		18-40GHz	
Gain	28dB	30dB	
Gain Flatness		+/-3dB	+/-4.5dB
P1dB		+27dBm	
Psat	+29dBm	+30dBm	
Drain Supply	+90V	+220V	240V
Power Consumption		20W	
Input Return Loss		-10dB	
Output Return Loss		-5dB	
Spec Temp		25C	





AT-BTPA-1840-3030GN

18-40GHz Power Amplifier

Mechanical Information

Item	Description
Input Port	2.92mm Female
Output Port	2.92mm Female
Case Material	Aluminum
Finish	Painting
Weight	2.2KG
Size:	See Outline

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+260V
RF Input Power	+10 dBm
Operating Temperature	-20 to +70C
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.



Dimension: (unit mm)

