



AT-BTPA-6090-1818T

60-90GHz Broadband Power Amplifier

Full E Band Power Amplifier, 60-90GHz Bench-top Test Equipment, Gain=18dB



Product Overview

AT-BTPA-6090-1818T 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: 18dB
- ✓ 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 | 15 | 18dB | |
| 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)

