# 10MHz-1GHz 50W Power Amplifier

# P/N: PA000010GA50W

**Description:**

The power amplifier is a 50W power amplifier with a typical small signal gain of 47 dB across the frequency range of 10MHz to 1 GHz. The typical output power Psat 47dBm. The DC power requirement for the amplifier is +50 VDC/4A. Accept customization according to different needs.

- Radar Systems
- Communication Systems
- Receivers Systems

## Electrical Specifications（+25℃）:

| Parameter | Min. | Typ. | Max. | Units |
|---|---|---|---|---|
| Frequency Range | | 0.01-1 | | GHz |
| Gain | 45 | 47 | | dB |
| Gain Flatness | | ±1 | ±1.5 | dB |
| Input VSWR | | 1.5 | 2.0 | - |
| Output Power Psat | | 47 | | dBm |
| Spurious | -60 | | | dBc |
| Input Max Power(no damage) | | | 15 | dBm |
| Power Supply | | +50V/4A | | |
| Impedance | | 50 | | Ω |
| RF Input/Output Connector | | SMA-Female/SMA-Female | | |
| Power Supply | | Feedthrough Capacitor | | |
| Material | | Aluminium | | |
| Weight | | 1500g | | |
| Package Sealing | | General Sealing (Standard) | | |

## Environmental Specifications:

※ Operational Temperature -25℃~+65℃

※ Storage Temperature -55℃~+85℃

RoHS COMPLIANT

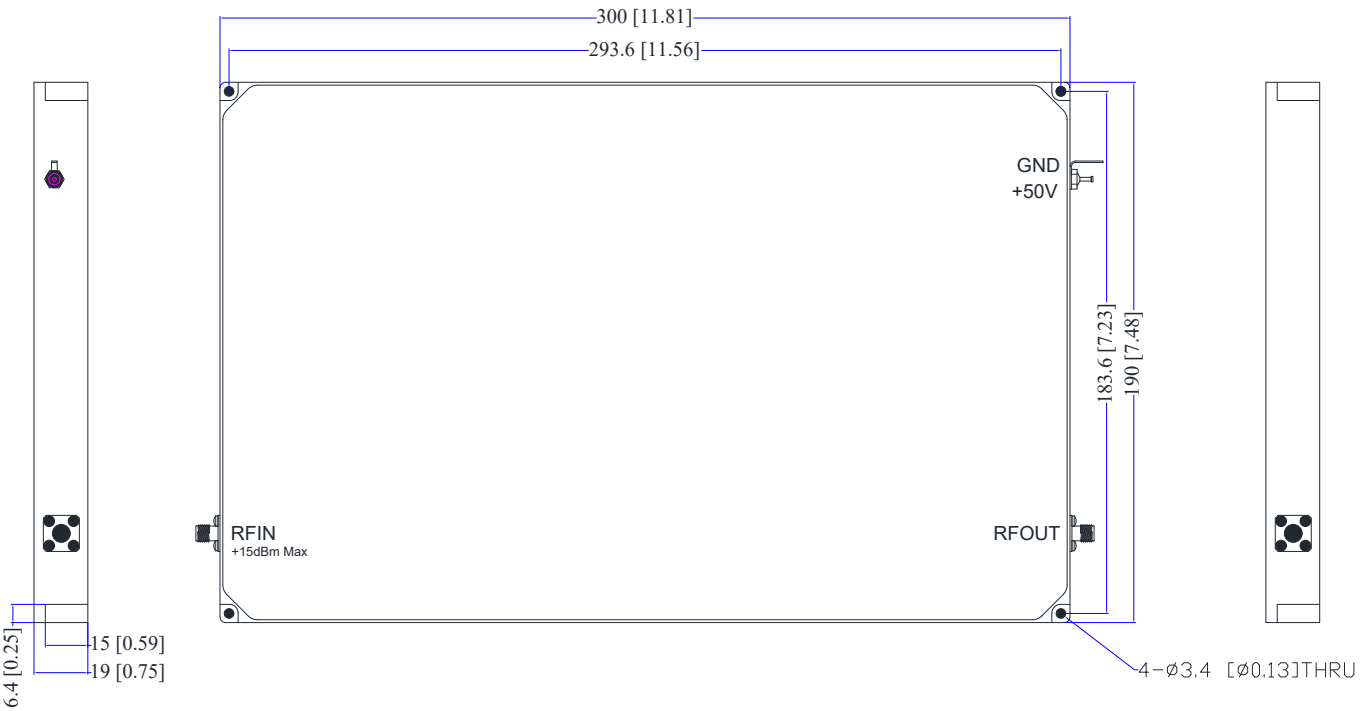
OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES

MICZEN THCHNOLOGIES CO.,LTD.

Phone: +86 28 65003621 | E-mail: sales@miczen.com | Web: www.miczen.com

## ■ Outline Drawing

All Dimensions in mm ( inches ) Tolerance ±0.25 ( 0.01 )




***Heat Sink required during operation***

**NOTE:**

1. The product is designed to meet environmental ratings but not tested. If you need to test environmental condition, please contact our sales department.
2. Miczen technologies co., Ltd. reserves the right to change the above information without notice.