

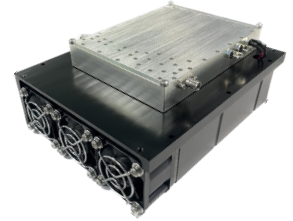
# 18-40GHz 7W Power Amplifier

P/N: MZPA1840GA7W-SR



## Description:

The power amplifier is a 7W power amplifier with a typical small signal gain of 45 dB across the frequency range of 18 to 40 GHz. The typical output power Psat 38dBm. The DC power requirement for the amplifier is +28 VDC/5 A. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

## Electrical Specifications ( +25°C ) :

| Parameter                       | Min. | Typ.                        | Max. | Units |
|---------------------------------|------|-----------------------------|------|-------|
| Frequency Range                 |      | 18-40                       |      | GHz   |
| Gain                            |      | 45                          |      | dB    |
| Gain Flatness                   |      | ±2.5                        |      | dB    |
| Input VSWR                      |      | 2.0                         |      | -     |
| Output Power for (Psat)         | 36.5 | 38                          |      | dBm   |
| Input Max Power(no damage)      |      |                             | 0    | dBm   |
| DC Current (Vcc=+28V)(@Pout=7W) |      | 5                           |      | A     |
| Impedance                       |      | 50                          |      | Ω     |
| Input/Output Connector          |      | 2.92mm-Female/2.92mm-Female |      |       |
| Material                        |      | Aluminium\Sliver Painting   |      |       |
| Heatsink                        |      | Option                      |      |       |
| Weight                          |      | 1.57kg                      |      |       |
| Package Sealing                 |      | General Sealing (Standard)  |      |       |

## Environmental Specifications:

- ※ Operational Temperature -25°C~+85°C
- ※ Storage Temperature -55°C~+125°C



OBSERVE  
PRECAUTIONS ELECTROSTATIC  
SENSITIVE DEVICES

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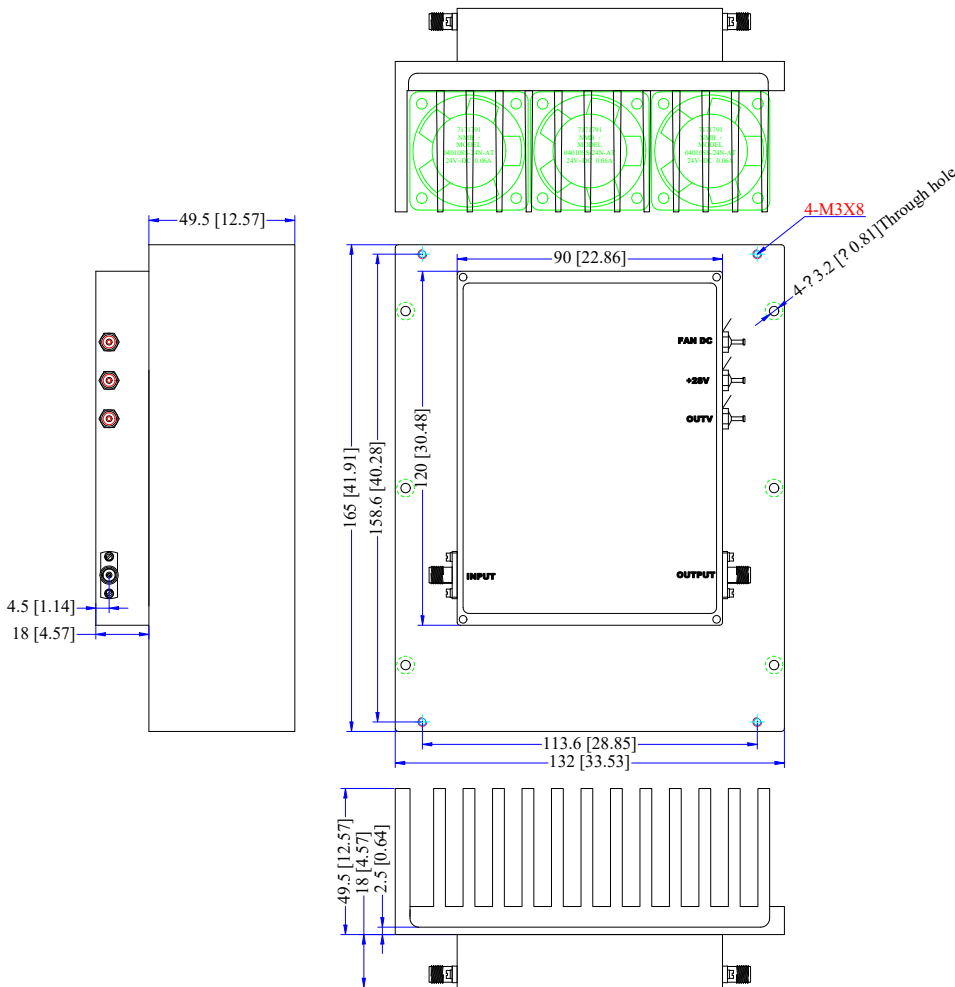
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## ■ Outline Drawing

All Dimensions in mm (inches) Tolerance  $\pm 0.25$  (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.

**MICZEN THCHNOLOGIES CO.,LTD.**

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