

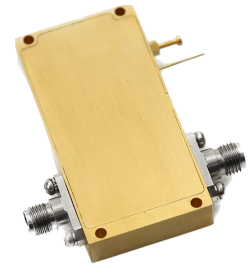
1-18GHz 2W Power Amplifier

P/N: MZPA0118GB2W



Description:

The power amplifier is a 2W power amplifier with a typical small signal gain of 41 dB across the frequency range of 1 to 18 GHz. The typical output power P-1 33dBm. The DC power requirement for the amplifier is +20 VDC/0.8 A. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

| Parameter | Min. | Typ. | Max. | Units |
|---------------------------------|------|----------------------------|------|-------|
| Frequency Range | | 1-18 | | GHz |
| Gain | 40 | 41 | | dB |
| Gain Flatness | | ±2.5 | ±3 | dB |
| Input VSWR | | 2.0 | 2.5 | - |
| Output VSWR | | 2.0 | 2.5 | - |
| Noise Figure | | 5 | | dB |
| Output Power for (P1dB) | 33 | | | dBm |
| Output Power Psat | | 34 | | dBm |
| Spurious | | -60 | | dBc |
| Input Max Power(no damage) | | | 5 | dBm |
| DC Current (Vcc=+20V)(@Pout=2W) | | 0.8 | | A |
| Impedance | | 50 | | Ω |
| Input/Output Connector | | SMA-Female/SMA-Female | | |
| Material | | Aluminium | | |
| Weight | | 50g | | |
| Package Sealing | | General Sealing (Standard) | | |

Environmental Specifications:

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



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

MICZEN THCHNOLOGIES CO.,LTD.

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

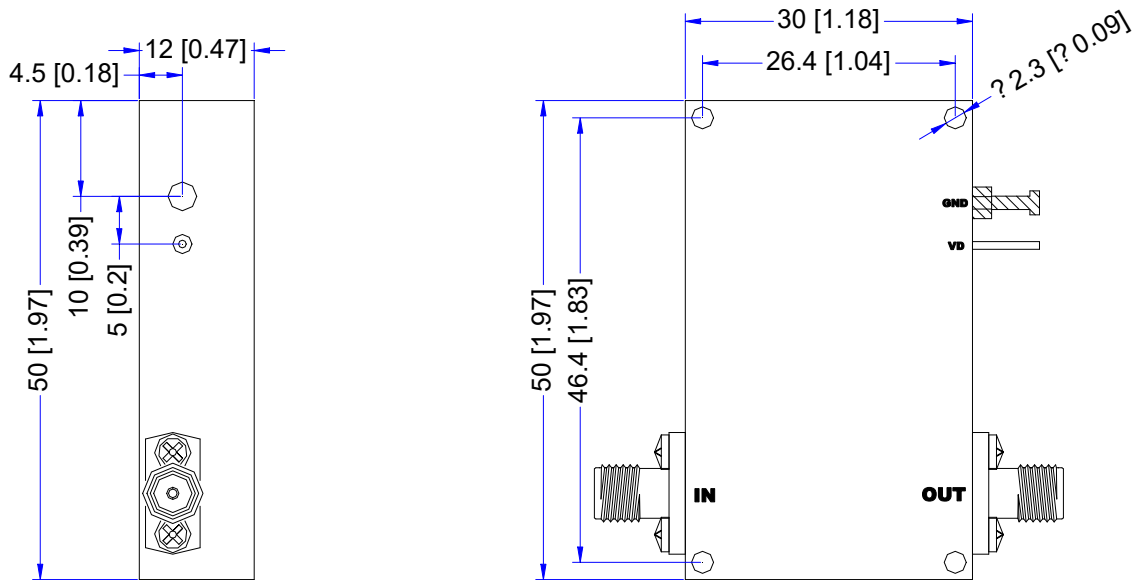
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■ Outline Drawing

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.

MICZEN THCHNOLOGIES CO.,LTD.

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