

# 0.5-40GHz Low Noise Amplifier

P/N: LNA005400GAC42



## Description:

The amplifier is a low noise amplifier with a typical small signal gain of 42 dB and a typical noise figure of 6 dB across the frequency range of 0.5 to 40 GHz. The typical output power P-1 18 dBm. The DC power requirement for the amplifier is 24 V/300 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

## Electrical Specifications ( +25°C ) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.5-40		GHz
Gain	38	42		dB
Gain Flatness		±3		dB
Input Output VSWR		1.7	2.5	-
Noise Figure		4	6	dB
Output Power for (P1dB)	17	21		dBm
Input Max Power(no damage)			-15	dBm
Amplitude Linearity		±0.05		dB
Phase Linearity		±2		°
Amplitude Stability		0.2@15minute		dB
Phase Stability		3@15minute		°
Amplitude Consistency		±1.5(Batch)		dB
DC Current (Vcc=+24V)		300		mA
Impedance		50		Ω
Input/Output Connector		2.92-Female/2.92-Female		
Material		Aluminium		
Weight		-		
Package Sealing		General Sealing (Standard)		

## Environmental Specifications:

- ※ Operational Temperature -45°C~+85°C
- ※ Storage Temperature -55°C~+125°C



OBSERVE  
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SENSITIVE DEVICES

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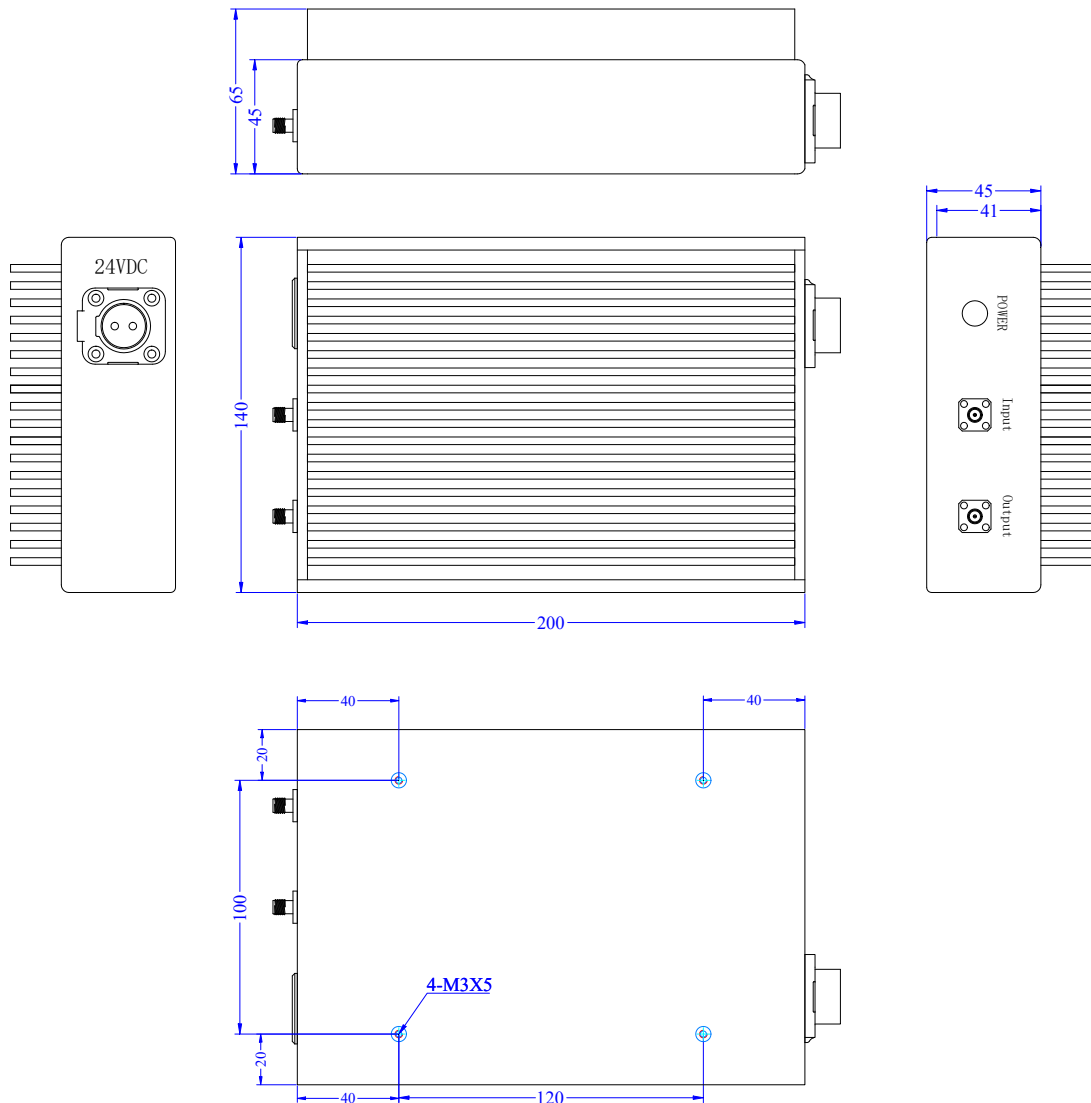
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## ■ Outline Drawing

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 THCNOLOGIES CO.,LTD.**

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