

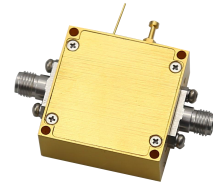
# 40-60GHz Low Noise Amplifier

P/N: LNA4060GW30



## Description:

The amplifier is a low noise amplifier with a typical small signal gain of 33 dB and a typical noise figure of 5 dB across the frequency range of 40 to 60 GHz. The typical output power P-1 15dBm. The DC power requirement for the amplifier is +8 VDC/250 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

## Electrical Specifications ( +25°C ) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		40-60		GHz
Gain	30	33		dB
Gain Flatness		±3		dB
Input VSWR		2.0		-
Output VSWR		2.0		-
Output Power for (P1dB)		15		dBm
Output Power Psat		17		dBm
Spurious		-60		dBc
Noise Figure		5.0		dB
Output IP3		25		dBm
Input Max Power(no damage)			-10	dBm
DC Current (Vcc=+8V)		250		mA
Impedance		/		Ω
Input/Output Connector		WR19 UG-383/U		
Material		Aluminium\Gold Painting		
Weight		100g		
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.

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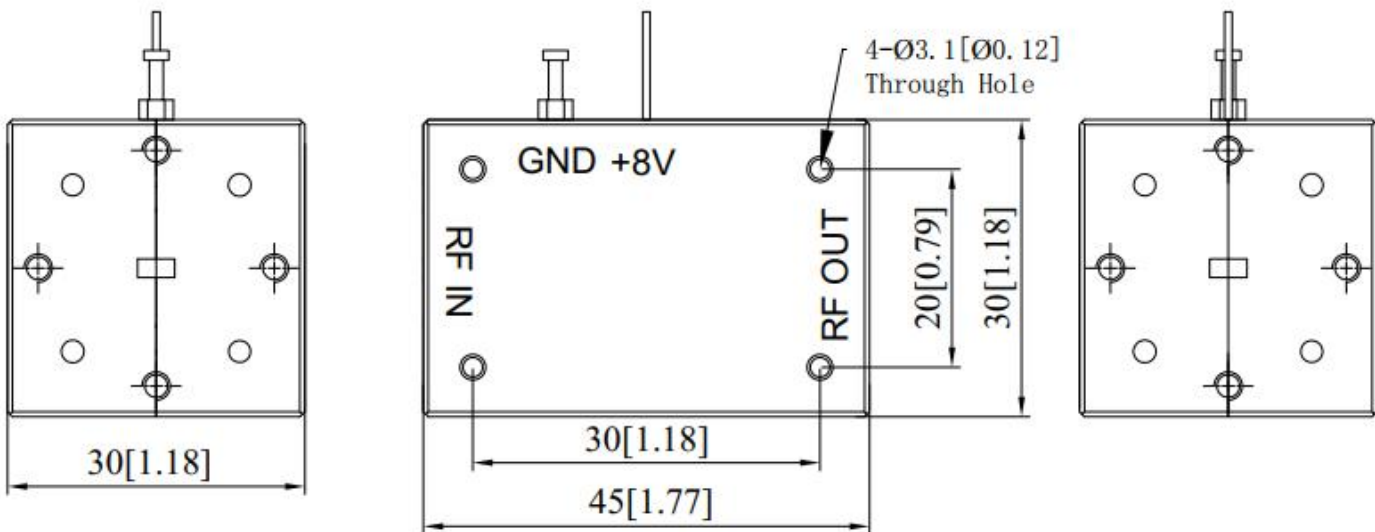
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## ■ Outline Drawing

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.

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