

# 18-40GHz Low Noise Amplifier

P/N: MZLNA1840GD40



## Description:

The amplifier is a low noise amplifier with a typical small signal gain of 40 dB and a typical noise figure of 3.5 dB across the frequency range of 18 to 40 GHz. The typical output power P-1 12dBm. The DC power requirement for the amplifier is +12VDC/280 mA. 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	40	43		dB
Gain Flatness		±2.0		dB
Input VSWR		2.0	2.2	-
Output VSWR		2.0	2.2	-
Output Power for (P1dB)	12			dBm
Output Power Psat	13			dBm
Spurious		-60		dBc
Output IP3		20		dBm
Noise Figure		3.5	4	dB
Input Max Power(no damage)			-10	dBm
DC Current (Vcc=+12V)				mA
Impedance		50		Ω
Input/Output Connector		2.92mm-Female/2.92mm-Female		
Material		Aluminium		
Weight		-		
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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## ■ 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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