

35-54GHz Low Noise Amplifier

P/N: LNA3553GA27



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 27 dB and a typical noise figure of 6 dB across the frequency range of 35 to 53 GHz. The typical output power P-1 17 dBm. The DC power requirement for the amplifier is +12 VDC/600 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		35-53		GHz
Gain@35-50GHz		40		dB
Gain@50-53GH		27		dB
Gain Flatness@35-50GHz		±3.5		dB
Gain Flatness@50-53GHz		±5		dB
Input VSWR		2.5	3	-
Output VSWR		2.5	3	-
Output Power for (P1dB)		17		dBm
Output Power Psat		18		dBm
OIP3		30		dBm
Spurious	60			dBc
Noise Figure		6		dB
Input Max Power(no damage)			-5	dBm
DC Current (Vcc=+12V)		600		mA
Impedance		50		Ω
Input/Output Connector		2.4-Female/2.4-Female		
Material		Aluminium/Gold Painting		
Weight		45g		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

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



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MICZEN THCNOLOGIES CO.,LTD.

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

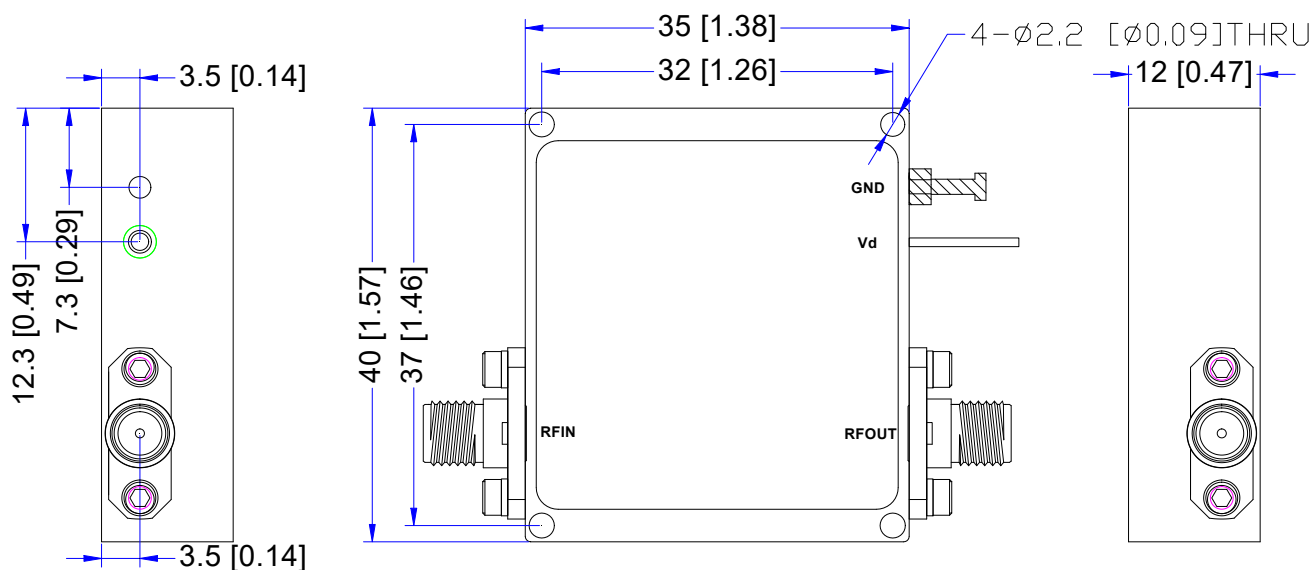
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■ Outline Drawing

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 THCNOLOGIES CO.,LTD.

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