

Description

LNA-1P55G low noise amplifier from HZ-THZ (also known as LNA) is featured in our extensive in-stock RF amplifier selection. Our connectorized low noise amplifier uses SMA connectors at 50 Ohm. HZ-THZ low noise amplifier has a minimum frequency of 1.54 GHz and maximum frequency of 1.55 GHz. The significantly low noise temp. of this radio frequency amplifier is 60 K with a minimum gain of 50 dB. The output power P1dB of this LNA is 10 dBm.

LNA amplifier LNA-1P55G is rated at 12 Volts DC and 180 mA. Our low noise amplifiers are available in various configurations over different frequency bands to fit your needs, all of which shipped worldwide the same day.

Features

- Broadband: 1.54 GHz to 1.55 GHz
- Noise Temp.: 60 K
- P1dB: 10 dBm
- Small Signal Gain: 50 dB min
- 50 Ohm Input and Output Matched
- -40~+85°C Operating Temperature
- Unconditionally Stable
- Single DC Positive Supply

Applications

- Laboratory Applications
- R&D Labs
- Radar Systems
- Telecom Infrastructure
- Test Instrumentation
- Communication Systems
- Wireless Communication
- Microwave Radio Systems
- Low Noise Amplifier
- General Purpose Amplification
- General Purpose Wireless
- RF Pre-amplification

Low Noise Amplifier

LNA-1P55G

1.54 GHz to 1.55 GHz, 60 K NT, 12 dBm P1dB, 52 dB Gain, SMA

HZ-THZ

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	1.54		1.55	GHz
Small Signal Gain	50	52		dB
Gain Flatness		±0.15	±0.25	dB
Input VSWR		1.25	1.37	: 1
Output VSWR		1.25	1.37	: 1
Noise Temperature			60	K
Output Power P1dB	10	12		dBm
Output 3rd Intercept Point	13	16		dBm
Operating DC Current		180	200	mA
Operating DC Voltage	12		24	Volts
Input Connector			SMA Female	
Output Connector			SMA Female	

Electrical Specification Notes:

Values at +25°C, sea level.

Absolute Maximum Rating

Parameter	Rating	Units
DC Voltage	+12 to +24	Volts
Operating Temperature	-40 to +85	°C
Storage Temperature	-55 to +85	°C

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Mechanical Specifications

Size

Length	2.38 in [60.45 mm]
Width	0.93 in [23.62 mm]
Height	0.35 in [8.89 mm]

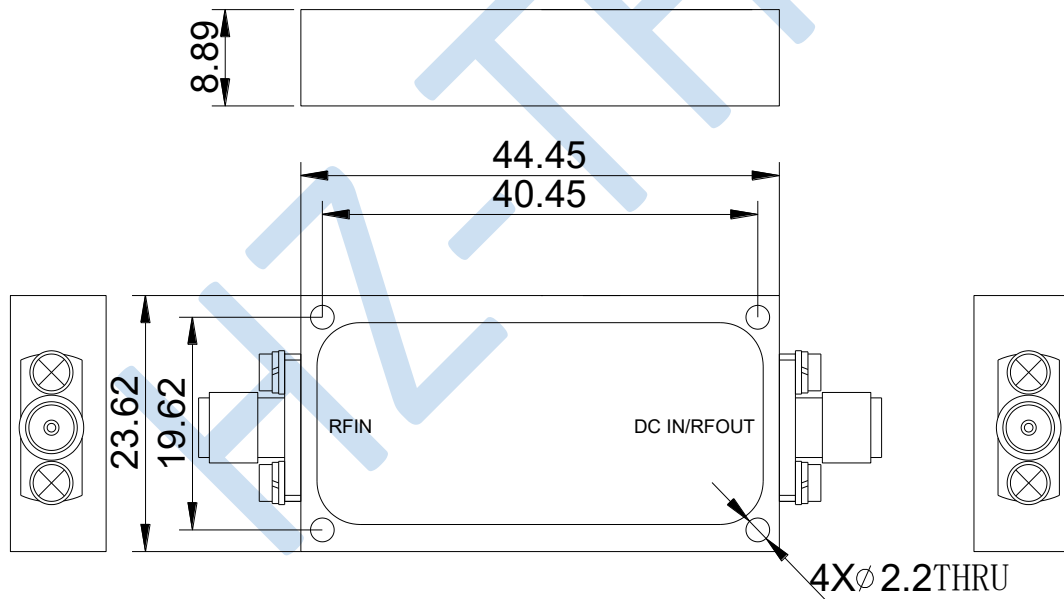
Weight 0.38 lbs [172.00 g]

Package Type Customized

Outline Drawings

Unit: mm

Tolerance: ± 0.05 mm



How To Order

LNA-1P55G

Pls send request to sales@hz-thz.com.