

## 30dB Small Signal Gain Low Noise RF Amplifier 1-18 GHz Gain 10dBm High Linearity

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-LA-010180-G30P10
- Minimum Order Quantity: 1
- Packaging Details: carton packing
- Delivery Time: 4 weeks
- Payment Terms: T/T



LT-PA-010180-G30P10

### Product Specification

- Features: High Gain
- Product Name: LT-CR Series Low Noise Amplifier
- Material: Aluminum
- Temperature: -40~85
- Frequency Range: 1-18GHz
- Low Noise Figure: 3.5dB
- Highlight: Small Signal Low Noise RF Amplifier,  
1-18 GHz Low Noise RF Amplifier,  
High Linearity Low Noise RF Amplifier

Product Description

30dB Small Signal Gain Low Noise RF Amplifier 1-18 GHz Gain 10dBm High Linearity

Product Overview

The **ZR LT-LA-010180-G30P10** is a high-performance RF amplifier delivering **30dB gain** ( $\pm 2.5\text{dB}$  flatness) across **1-18GHz**, with **10dBm output power** capability. Engineered for precision signal amplification, this low-noise amplifier (LNA) is ideal for demanding RF systems requiring both wide bandwidth and exceptional signal fidelity.

Key Features

- Ultra-Wideband (1-18GHz):** Supports multi-band RF applications
- High Gain (30dB):** Ensures superior signal amplification
- Low Noise Design:** Optimized for maximum signal clarity
- Robust Construction:** Aluminum housing for EMI shielding and durability
- Minimal Insertion Loss:** Preserves signal integrity
- Extended Temperature Range (-40 ~+85 ):** Reliable performance in harsh environments
- Integrated Connectors:** Ready for immediate deployment
- Global Certifications:** CE, RoHS, and REACH compliant
- Warranty Coverage:** 1-year quality guarantee

Technical Specifications

Parameter	Specification	Conditions
Part Number	LT-LA-010180-G30P10	
Frequency Range	1-18GHz	
Small Signal Gain	30dB Min.	
Gain Flatness	$\pm 2.5\text{dB}$ Min.	
Noise Figure	3.5dB Max.; 3.0dB Typ.	
Input VSWR	2.2:1 Max.	
Output VSWR	2.2:1 Max.	
Output Power	10dBm Min.	
Power Supply	+12V/120mA	
Operating Temperature	-45 to +85	
Connectors	SMA-Female	
Dimension	34.4x16.8x8.1mm	

Note: For custom specifications, please contact us directly.

