



## Precision Gain Control 0.5-18 GHz 12dBm Rf Amplifier 10dB Ruggedized Construction High Power Density

Our Product Introduction

### Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-PA-005180-G10P12
- Minimum Order Quantity: 1
- Packaging Details: carton packing
- Delivery Time: 4 weeks
- Payment Terms: T/T



LT-PA-005180-G10P12

### Product Specification

- Product Name: LT-PA Series Power Amplifier
- Application: Wireless Communication
- Warranty: 12-Month
- Operating Temperature Range: -40~85
- Bandwidth Coverage: 0.5 To 18 GHz
- Color: Silver
- Highlight: **Precision Gain Control Rf Amplifier,  
High Power Density Rf Amplifier,  
Ruggedized Construction Rf Amplifier**

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### Product Attributes

Attribute	Value
Product name	LT-PA series Power Amplifier
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### Ultra-Wideband 0.5-18GHz Power Amplifier

#### Key Features:

- Exceptional Bandwidth Coverage (0.5-18GHz)**
- 10dB Signal Gain with  $\pm 2.0$ dB Flatness**
- 12dBm Output Power Capability**
- Robust Aluminum Housing**
- Wide Operating Temperature Range (-40 °C to +85°C)**
- Custom Frequency Optimization Available**
- Compliant with CE/RoHS/REACH Standards**
- 12-Month Manufacturer Warranty**

The **ZR LT-PA-005180-G10P12** represents a breakthrough in ultra-wideband amplification technology, delivering **10dB gain** with  **$\pm 2.0$ dB flatness** across an unprecedented **0.5-18GHz bandwidth**. This high-performance amplifier generates **12dBm output power** from **10dBm input**, making it ideal for demanding wideband applications.

### Specifications

#### Electrical / Optical Characteristics (Ta=25 $\pm 3$ )

Items	Specification	Conditions
Part Number	LT-PA-005180-G10P12	
Configuration	Module with Connector	
Frequency Range	0.5 to 18 GHz	
Small Signal Gain	10 dB	
Gain Flatness	$\pm 2.0$ dB	

Output Power	12 dBm	
Input Power	10 dBm	
VSWR	2.0:1	
Power Supply	+12V / 150 mA	
Operating Temperature	-55 to +85	
Dimension	34.4*16.8*8.1 mm	

*Note: for custom specs, please contact us directly.*

 **Sichuan ZR Hi-Tech Ltd.**

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