

# SPA-0P8-18-4 Solid State Power Amplifier

(0.8GHz - 18GHz, 4W)

## Key Features

- Multi-octave broadband performance
- High output power
- Wide dynamic range
- High-efficiency GaN technology
- Low power consumption
- Low spurious signal
- Extremely load-resistant
- Built-in control, monitoring and protection circuits
- Over voltage, over temperature, overdrive and over SWR protection
- CE, RoHS certification



## Overview

Saluki SPA-0P8-18-4 is a dual-channel independent input/output solid-state RF power amplifier with a frequency of 0.8GHz to 2GHz, 2GHz to 18GHz and an output power of 4W. Its design is based on the most advanced GaN technology in the industry, and its power output is efficient and reliable. It is mainly used for testing and measuring instruments, Communication or interference, aviation control and other fields. The product has functions such as temperature and current detection, alarm protection and so on.

## Technical Specifications

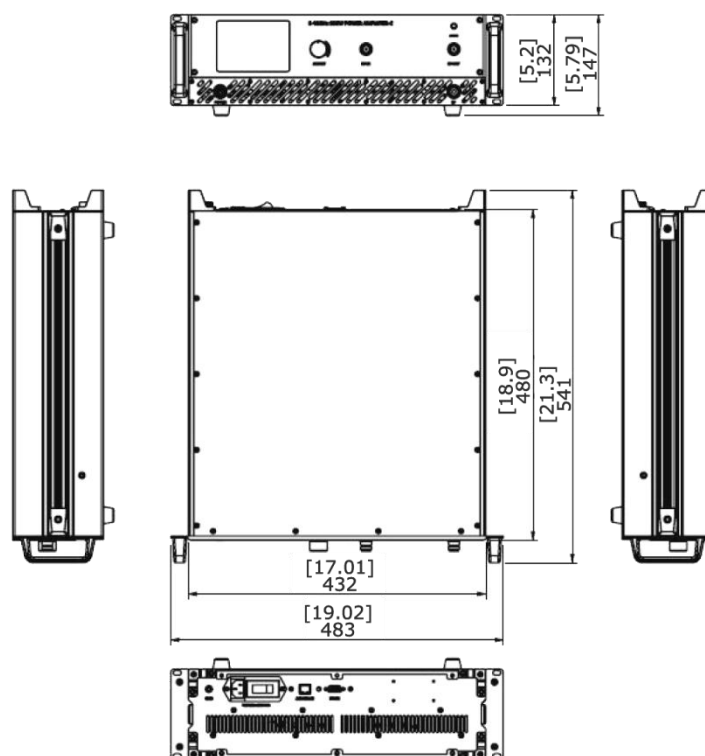
SPA-0P8-18-4			
<b>Frequency Range</b>	①: 0.8GHz - 2GHz, ②: 2GHz - 18GHz	<b>Power Step</b>	0.5dB (max.)
<b>Output Power</b>	4W (min.)	<b>2-way P3dB Deviation</b>	2dB (max.)
<b>Amplification Factor</b>	25dB (typ.)	<b>2-way Phase Deviation</b>	20° (max.)
<b>IN&amp;OUT Channel</b>	2 channels (horizontal and vertical)	<b>Harmonic</b>	-15dBc (typ.)
<b>P3dB Flatness</b>	3dB@500M (max.)	<b>Spurious</b>	-50dBc (max.)
<b>Power Accuracy</b>	2dB (max.)	<b>Impedance</b>	50 ohm

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<b>Input Port</b>	3.5mm	<b>Output Port</b>	3.5mm
<b>Communication Interface</b>	RS485, RJ45	<b>Power Supply</b>	AC 220V±10%, 50/60Hz
<b>Dimension</b>	19", 3U	<b>Cooling Type</b>	Air cooling
<b>Operating Temperature</b>	-10 to 40°C		

## Outline Structure



## Options

Module No.	Item
001	Forward & reverse power monitoring
002	GPIB interface

*Note: Information will conduct the necessary updates, the contents of this document are subject to change without notice.*