

# SPA-47-51-20 Solid State Power Amplifier

(47GHz - 51GHz, 20W)

## Key Features

- Multi-octave broadband performance
- High output power
- Wide dynamic range
- High-efficiency GaN technology
- Low power consumption
- Low spurious signal
- Forward/reverse power monitoring
- Extremely load-resistant
- Over voltage, over temperature, over current protection
- Optional overdrive protection
- CE, RoHS certification



## Overview

Saluki SPA-47-51-20 is a solid-state RF power amplifier with an output frequency of 47GHz to 51GHz and an output power of 20W. 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

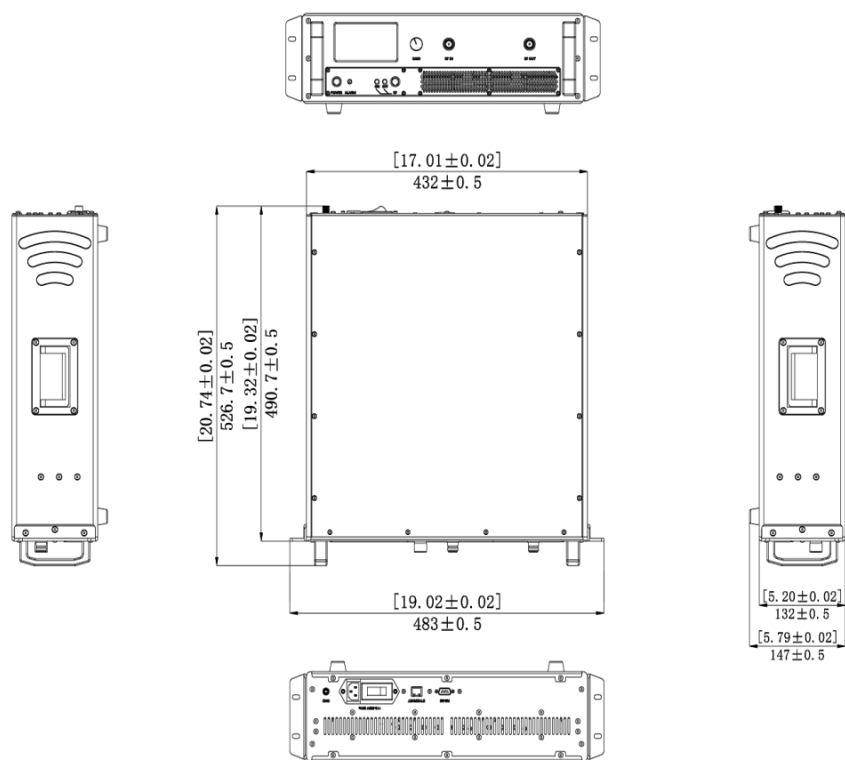
SPA-47-51-20			
<b>Frequency Range</b>	47GHz - 51GHz	<b>Input Power</b>	0dBm (max.)
<b>Output Power</b>	20W (min.)	<b>Harmonic</b>	-20dBc (typ.)
<b>Gain</b>	43dB (min.)	<b>Background Noise</b>	-40dBm/MHz (max.)
<b>Gain Flatness</b>	± 3dB (max.)	<b>Spurious</b>	-60dBc (max.)
<b>Adjustable Gain</b>	15dB (max.)	<b>Input VSWR</b>	1.5:1 (typ.)
<b>Impedance</b>	50 ohm	<b>VSWR Protection</b>	3:1

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<b>Input Port</b>	1.85mm (female)	<b>Output Port</b>	WR19
<b>Monitoring Port</b>	1.85mm (female)	<b>Cooling Type</b>	Air cooling
<b>Communication Interface</b>	RS485, LAN	<b>Power Supply</b>	AC 220V±10%, 50/60Hz
<b>Dimension</b>	19", 3U	<b>Operating Temperature</b>	0 - 50°C

## Outline Structure



## Options

Module No.	Item
001	Overdrive protection
002	GPIB interface

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