

SPA-47-51-50 Solid State Power Amplifier

(47GHz - 51GHz, 50W)

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-47-51-50 is a solid-state RF power amplifier with an output frequency of 47GHz to 51GHz and an output power of 50W. 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

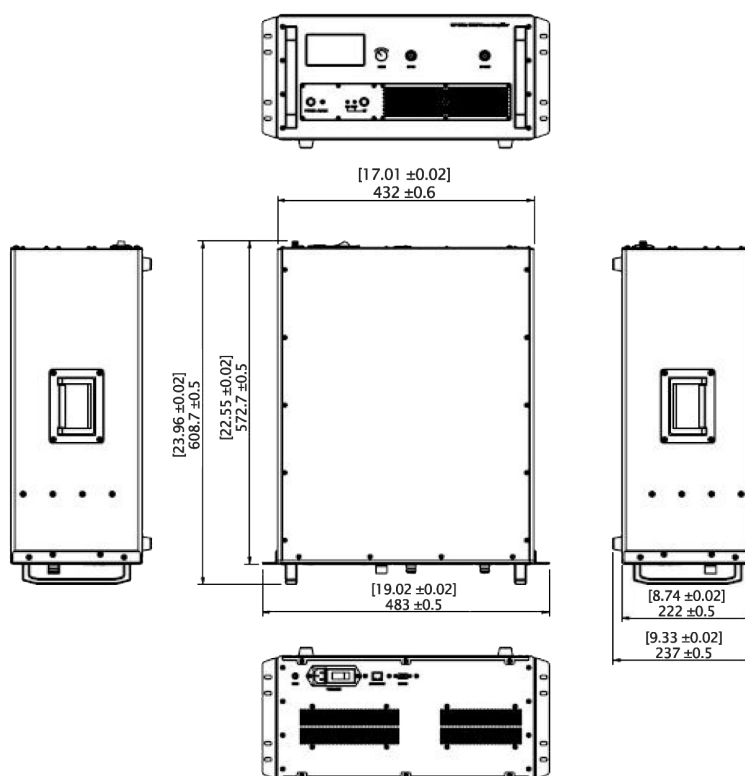
SPA-47-51-50			
Frequency Range	47GHz - 51GHz	Input Power	0dBm (max.)
Output Power	50W (min.)	Harmonic	-20dBc (typ.)
Gain	47dB (min.)	Background Noise	-40dBm/MHz (max.)
Gain Flatness	± 4dB (max.)	Spurious	-60dBc (max.)
Adjustable Gain	15dB (max.)	Input VSWR	1.5:1 (typ.)
Impedance	50 ohm	VSWR Protection	3:1

SPA-47-51-50 Solid State Power Amplifier

(47GHz - 51GHz, 50W)

Input Port	1.85mm (female)	Output Port	WR19
Monitoring Port	1.85mm (female)	Cooling Type	Air cooling
Communication Interface	RS485, LAN	Power Supply	AC 220V±10%, 50/60Hz
Dimension	19", 4U	Operating Temperature	0 - 50°C

Outline Structure



Options

Module No.	Item
001	Overdrive protection
002	GPIO interface

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