

SPA-1-2-1000 Solid State Power Amplifier

(1GHz - 2GHz, 1000W)

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-1-2-1000 is a solid-state RF power amplifier with an output frequency of 1GHz to 2GHz and an output power of 1000W. 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-1-2-1000			
Frequency Range	1GHz - 2GHz	Input Power	5dBm (max.)
Psat	1000W (min.)	Harmonic	-10dBc (typ.)
P3dB	100W (min.)	Background Noise	-30dBm/MHz (max.)
Gain	60dB (min.)	Spurious	-60dBc (max.)
Gain Flatness	± 3dB (max.)	Input VSWR	1.5:1 (typ.)
Adjustable Gain	20dB (max.)	Impedance	50 ohm

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Input Port	N-50KFD,front panel	Output Port	L29-50KFD,front panel
Communication Interface	RS485, LAN	Power Supply	AC 220V±10%
Dimension	Cabinet	Cooling Type	Air cooling
Operating Temperature	0 - 50°C		

Options

001	Forward/Reverse Power Monitoring
002	Input Power Detection
003	GPIB interface

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