

# SPA-9K-100M-1000 Solid State Power Amplifier

(9kHz - 100MHz, 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

Saluk SPA-9K-100M-1000 is a solid-state RF power amplifier with an output frequency of 9kHz to 100MHz and an output power of 1000W. Its design is based on the most advanced LDMOS 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-9K-100M-1000			
<b>Frequency Range</b>	9kHz - 100MHz	<b>Adjustable Gain</b>	20dB (max.)
<b>Output Power</b>	1000W (min.)	<b>Input Power</b>	0dBm (max.)
<b>P1dB Output Power</b>	800W (min.)	<b>Harmonic</b>	-18dBc (typ.)
<b>Gain</b>	60dB (min.)	<b>Spurious</b>	-60dBc (max.)
<b>Gain Flatness</b>	± 3dB (max.)	<b>Input VSWR</b>	1.5:1 (max.)

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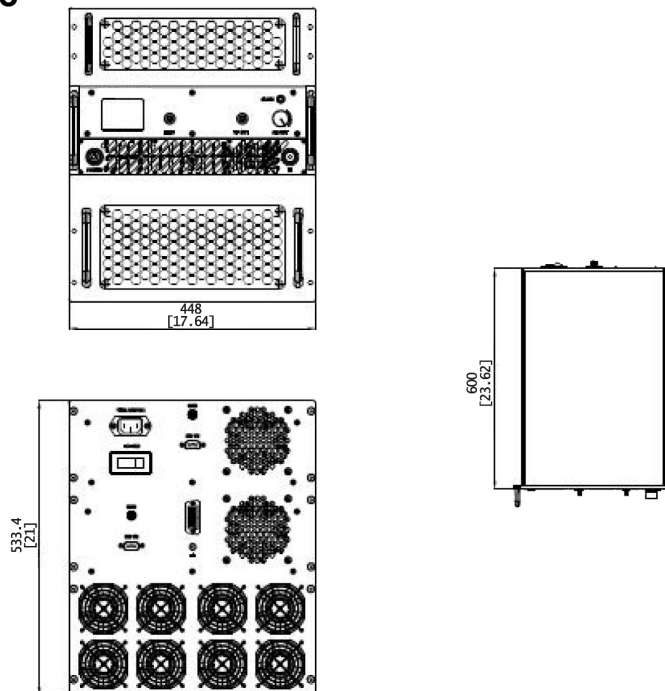


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<b>VSWR Protection</b>	5:1	<b>Impedance</b>	50 ohm
<b>Input Port</b>	Type-N (female)	<b>Output Port</b>	7/16 (female)
<b>Monitoring Port</b>	Type-N (female)	<b>Cooling Type</b>	Air cooling
<b>Communication Interface</b>	RS485, LAN	<b>Power Supply</b>	AC 220V, Three-phase, 60A, 10 square wire
<b>Dimension</b>	19", 16U	<b>Operating Temperature</b>	0 - 50°C
<b>Display</b>	LED screen		

## 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.

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