

# SPA-80M-1-1000 Solid State Power Amplifier

(80MHz - 1GHz, 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-80M-1-1000 is a solid-state RF power amplifier with an output frequency of 80MHz to 1GHz 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-80M-1-1000			
<b>Frequency Range</b>	80MHz - 1GHz	<b>Input Power</b>	0dBm (max.)
<b>Psat</b>	1000W (min.)	<b>Harmonic</b>	-20dBc (typ.)
<b>Gain</b>	60dB (min.)	<b>Background Noise</b>	-40dBm/MHz (max.)
<b>Gain Flatness</b>	± 5dB (max.)	<b>Spurious</b>	-60dBc (max.)
<b>Adjustable Gain</b>	20dB (max.)	<b>Input VSWR</b>	1.5:1 (typ.)
<b>Impedance</b>	50 ohm	<b>Cooling Type</b>	Air cooling

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<b>Input Port</b>	Type-N (female)	<b>Output Port</b>	7/16
<b>Communication Interface</b>	RS485, LAN	<b>Power Supply</b>	AC220V, three-phase
<b>Dimension</b>	19", 2 2 U (typ.)	<b>Operating Temperature</b>	0 - 50°C

## Options

<b>Module No.</b>	<b>Item</b>
001	Overdrive protection
002	GPIB interface

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