

# SPA-9K-250M-1000 Solid State Power Amplifier

(9kHz - 250MHz, 1000W)

## Key Features

- Multi-octave broadband performance
- High output power
- Wide dynamic range
- Stable and reliable LDMOS technology
- Low power consumption
- Low spurious signal
- Extremely load-resistant
- Built-in control, monitoring and protection circuits
- Overvoltage and overtemperature protection

## Overview

SPA-9K-250M-1000 is a solid-state RF power amplifier with an output frequency of 9KHz-250MHz and an output power of 1000W. Its design is based on the industry's most stable and reliable LDMOS technology. The power output is efficient and reliable. It is mainly used in test and measurement instruments, communications or interference, aviation control and other fields. The product has functions such as temperature, current detection, and alarm protection.

## Technical Specifications

SPA-9K-250M-1000			
<b>Frequency Range</b>	9kHz - 250MHz	<b>Adjustable Gain</b>	25dB (max.)
<b>Output Power</b>	1000W (min.)	<b>Input Power</b>	2dBm (max.)
<b>Gain</b>	60dB (min.)	<b>Harmonic</b>	-15dBc (typ.)
<b>Gain Flatness</b>	± 3dB (max.)	<b>Spurious</b>	-60dBc (max.)
<b>Input VSWR</b>	1.5:1 (typ.)	<b>Impedance</b>	50 ohm

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<b>Input Port</b>	Type-N (female)	<b>Output Port</b>	Type-N (female)
<b>Coupling Port</b>	Type-N (female)	<b>Power consumption</b>	5000W (typ.)
<b>Communication Interface</b>	RS485, LAN	<b>Power Supply</b>	AC 220V±10%, 50/60Hz
<b>Dimension</b>	6U	<b>Cooling Type</b>	Air cooling
<b>Operating Temperature</b>	0 - 50°C		

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