

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

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

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