

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			
Frequency Range	80MHz - 1GHz	Input Power	0dBm (max.)
Output Power	1000W (min.)	Harmonic	-20dBc (typ.)
Gain	60dB (min.)	Background Noise	-40dBm/MHz (max.)
Gain Flatness	± 5dB (max.)	Spurious	-60dBc (max.)
Adjustable Gain	20dB (max.)	Input VSWR	1.5:1 (typ.)
Impedance	50 ohm	Cooling Type	Air cooling

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Input Port	Type-N (female)	Output Port	7/16
Communication Interface	RS485, LAN	Power Supply	AC 380V±10%, 50/60Hz
Dimension	19", 9U (typ.)	Operating Temperature	0 - 50°C

Options

Module No.	Item
001	Overdrive protection
002	GPIB interface

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