

SPAP-1P2-1P4-1000 Solid-state Pulse Power Amplifier

(1.2GHz - 1.4GHz, 1000W Pulse)

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-1P2-1P4-1000 is a solid-state RF power amplifier with an output frequency of 1.2GHz to 1.4GHz and a pulse output power of 1000W. Its design is based on the most advanced GaN 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

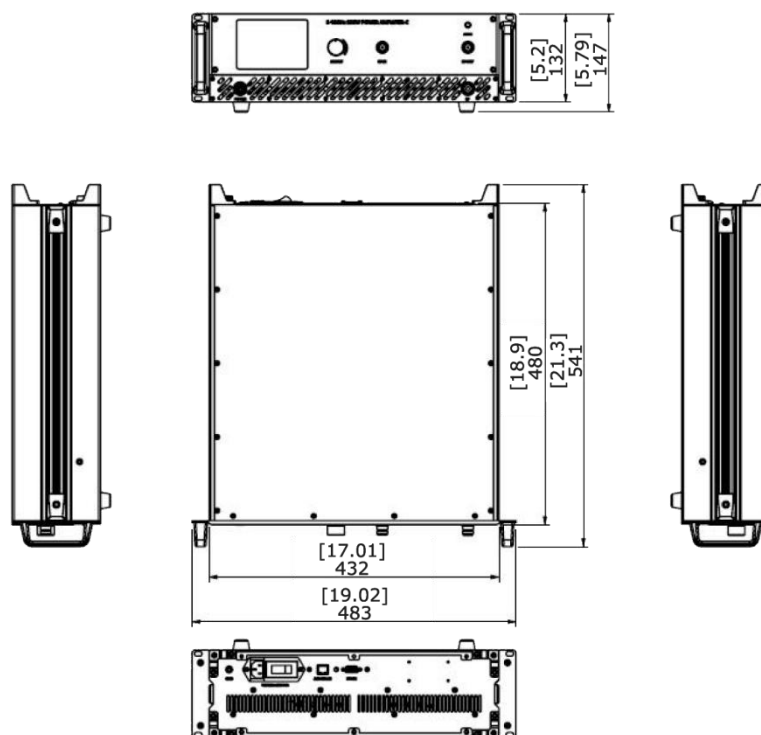
SPA-1P2-1P4-1000			
Frequency Range	1.2GHz - 1.4GHz	Repetition Frequency	10kHz (max.)
Output Power	1000W (min.)	Duty Ratio	10% (max.)
P1dB Output Power	800W (min.)	Pulse Width	30us (max.)
Input Signal	0dBm \pm 1dB	Rising Edge	50ns (10%-90%)
Gain	60dB (min.)	Falling Edge	100ns (10%-90%)
Gain Flatness	\pm 1.5dB (max.)	Starting Delay	5us (max.)
Turn-off Ratio	80dB (min.)	Input VSWR	2:1 (max.)

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Harmonic	-30dBc (max.)@800W	Spurious	-60dBc (max.)
Anti-mismatch Ability	Total reflection	Impedance	50 ohm
Input Port	Type-N (female)	Output Port	Type-N (female)
Pulse Input	BNC (female)	Monitoring Port	Type-N (female)
Communication Interface	GPIB, LAN	Power Supply	AC 220V±10%, 50/60Hz

Outline Structure



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.