

SPA-1-2P5-500 Solid State Power Amplifier

(1GHz - 2.5GHz, 500W)

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-1-2P5-500 is a solid-state RF power amplifier with an output frequency of 1GHz to 2.5GHz and an output power of 500W. 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

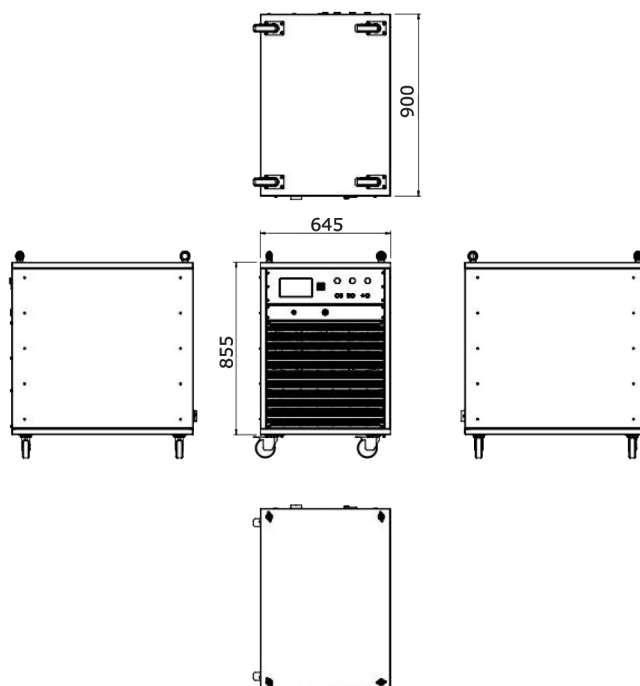
| SPA-1-2P5-500 | | | |
|-------------------|---------------|------------------|-------------------|
| Frequency Range | 1GHz - 2.5GHz | Input Power | 5dBm (max.) |
| Output Power | 500W (min.) | Harmonic | -10dBc (typ.) |
| P3dB Output Power | 250W (min.) | Background Noise | -40dBm/MHz (max.) |
| Gain | 60dB (min.) | Spurious | -60dBc (max.) |
| Gain Flatness | ± 3dB (max.) | Input VSWR | 1.5:1 (typ.) |
| Adjustable Gain | 20dB (max.) | VSWR Protection | 3:1 |

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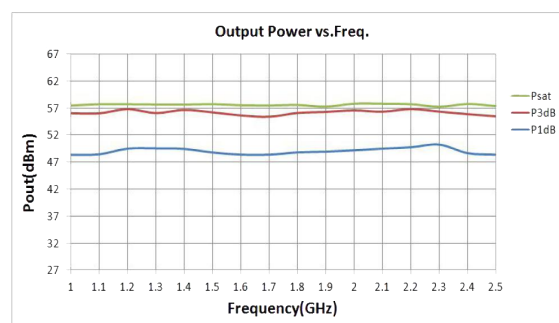
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|--------------------------------|-----------------|------------------------|-------------------------|
| Impedance | 50 ohm | Monitoring Port | 3.5mm (female) |
| Input Port | Type-N (female) | Output Port | Type-N (female) |
| Communication Interface | RS485, LAN | Power Supply | AC 220V±10%, 50/60Hz |
| Dimension | 645×855×900 mm | Cooling Type | Air cooling |
| Operating Temperature | 0 - 50°C | | |

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.