

SPA-9K-400M-500 Solid State Power Amplifier

(9kHz - 400MHz, 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

Saluk SPA-9K-400M-500 is a solid-state RF power amplifier with an output frequency of 9kHz to 400MHz and an output power of 500W. 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-9K-400M-500 | | | |
|-----------------|---------------|-------------|-------------------|
| Frequency Range | 9kHz - 400MHz | Input Power | 0dBm (max.) |
| Output Power | 500W (min.) | Harmonic | -10dBc (typ.) |
| Gain | 57dB (min.) | Spurious | -60dBc (max.) |
| Gain Flatness | ± 4dB (max.) | Noise floor | -30dBm/MHz (max.) |
| Adjustable Gain | 20dB (max.) | Input VSWR | 2.0:1 (max.) |

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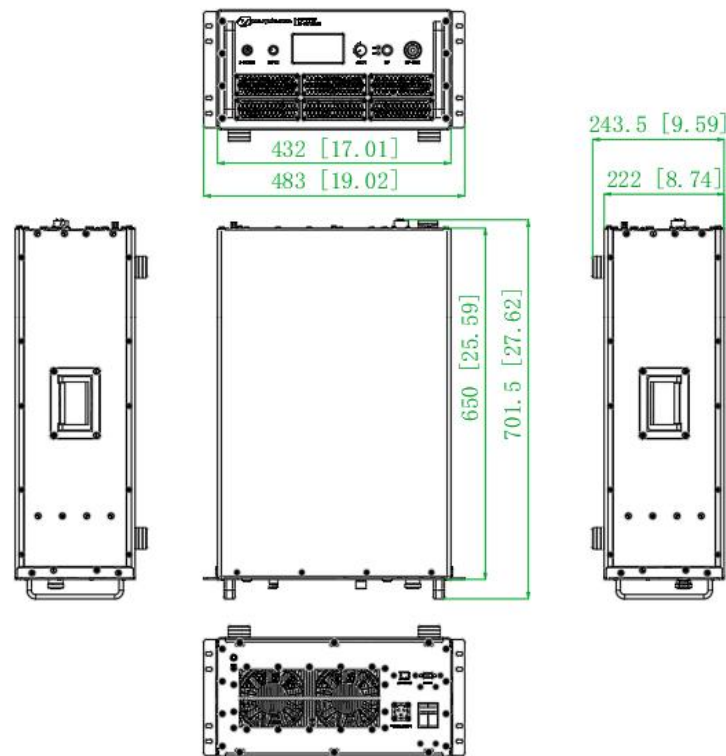


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| | | | |
|------------------------------|------------|---------------------|-------------------------|
| Impedance | 50 ohm | Input Port | Type-N (female) |
| Monitoring Port | RS485, LAN | Output Port | Type-N (female) |
| Dimension | 19", 6U | Cooling Type | Air cooling |
| Operating Temperature | 0 - 50°C | Power Supply | AC 220V±10%, 50/60Hz |
| | | | |

Outline Structure



Options

| | |
|-----|----------------------------------|
| 001 | Forward/reverse power monitoring |
| 002 | Input power detection |
| 003 | GPIO interface |

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

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