

SPA-V-100 V-band Solid State Power Amplifier

(47GHz - 51.4GHz, 100W)

Key Features

- High reliability, long life
- Wide dynamic range
- High-efficiency GaN technology
- Low power consumption
- Low spurious signal
- Input and output detection
- Intelligent temperature control system
- Built-in control, monitoring and protection circuits
- Over-voltage, over-temperature and over-drive protection
- CE, RoHS certification



Overview

Saluki SPA-V-100 is a solid-state RF power amplifier with an output frequency of 47GHz to 51.4GHz and an output power of 100W. 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 in the field of satellite communications.

There are also 20 watts, 40 watts and 200 watts in the same frequency band.

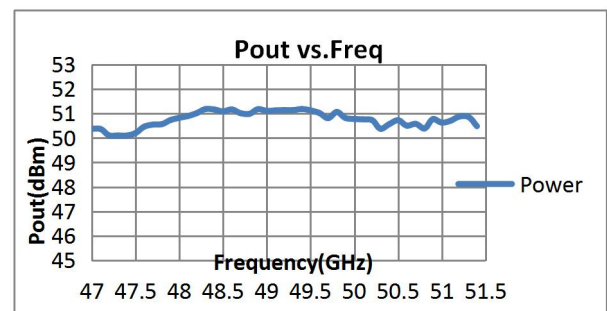
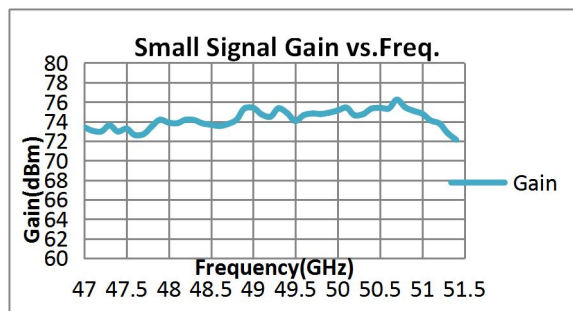
Technical Specifications

SPA-V-100			
Frequency Range	47GHz - 51.4GHz	Small Signal Gain	≥ 70dB
Gain Adjustment	20dB, 0.5dB step	Power Stability	≤ 0.5dB/24h
P_{sat} Output Power	≥ 50dBm	Rated Output Power	50dB
IMD3	≤ -20dBc @47dBm	Spurious	≤ -60dBc
Input VSWR	1.5:1 (typ.)	Power Consumption	≤ 1500W
Gain Flatness	≤ 1dBp-p (Within 40MHz band) ≤ 3dBp-p (Within 500MHz band) ≤ 5dBp-p (Within 1600MHz band)		

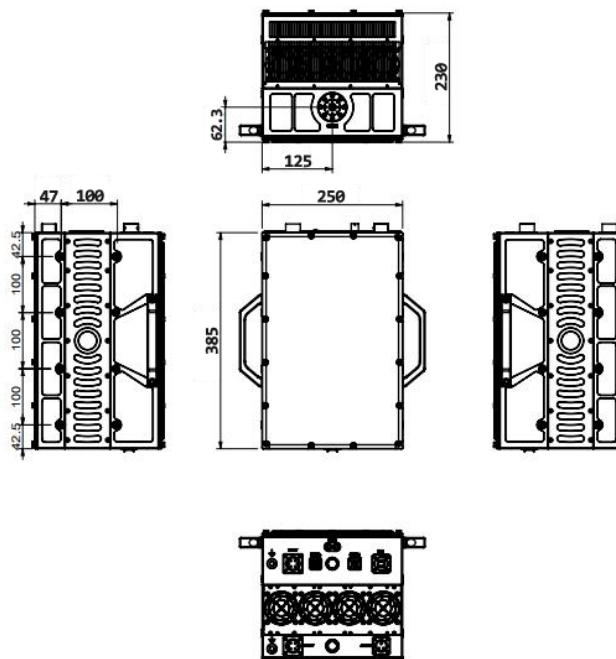
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Input Port	1.85mm (female)	Output Port	WR19
Communication Interface	Network port	Power Supply	220V±15%
Dimension	385×250×230 mm	Weight	25kg
Operating Temperature	-40°C to 60°C	Storage Temperature	-45°C to 75°C



Outline Structure *(For reference only, the actual size shall prevail.)*



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