# HIGH POWER RF POWER AMPLIFIER SYSTEM

**Model – DA9K1000M5252AC**

*150 watts 0.009MHz - 1000MHz CW Mode*

## General Description:

This amplifier is a broadband Class A solid-state RF power amplifier system designed for EMC/EMI test, broad band jamming, high power test and general-purpose amplification. This system utilizes the latest high power RF transistors and also features a built in control and monitoring.

Like all Elite RF amplifiers, the product comes with an industry leading warranty.

| Features | Indicator options | Protections |
|---|---|---|
| Wide Freq. Range | Frequency | Thermal Overload |
| High Output Power | Gain | Over Voltage |
| High Gain | Forward Power | Over VSWR |
| High Reverse Isolation | Reverse Power | |
| Built-in Protection | Current | |
| | Temperature | |

## ELECTRICAL SPECIFICATIONS

| Parameter | Symbol | Min | Typ | Max | Unit |
|---|---|---|---|---|---|
| **Frequency Range** | BW | 0.009 | | 1000 | MHz |
| **Output Power CW** | Psat | 150 | | | Watt |
| **Output Power at 1 dB Compression** | P1dB | 120 | | | Watt |
| **Gain** | Gp | 52 | | | dB |
| **Gain Flatness** | Delta Gp 1 | | +/- 4 | | dB |
| **Input VSWR** | S11 | | | 2:1 | Ratio |
| **Harmonics** | H | | -15 | | dBc |
| **Spurious Signals** | Spur | | -55 | | dBc |
| **Operating Voltage** | VAC | 100 | | 240 | Volts |
| **Power Consumption** | P | | | 1500 | Watts |
| **Input Power** | Pin | | | 5 | dBm |
| **Power Display Accuracy** | C | | - | | dB |

## ENVIRONMENTAL CHARACTERISTICS

| Parameter | Symbol | Min | Typ | Max | Unit |
|---|---|---|---|---|---|
| **Operating Case Temperature** | Tc | 0 | | +40 | Deg. C |
| **Storage Temperature** | Tstg | -20 | | +85 | Deg. C |
| **Relative Humidity (non-condensing)** | RH | 5 | | 95 | % |
| **Vibration/Shock** | VI /SH | | Normal Truck Transport | | |

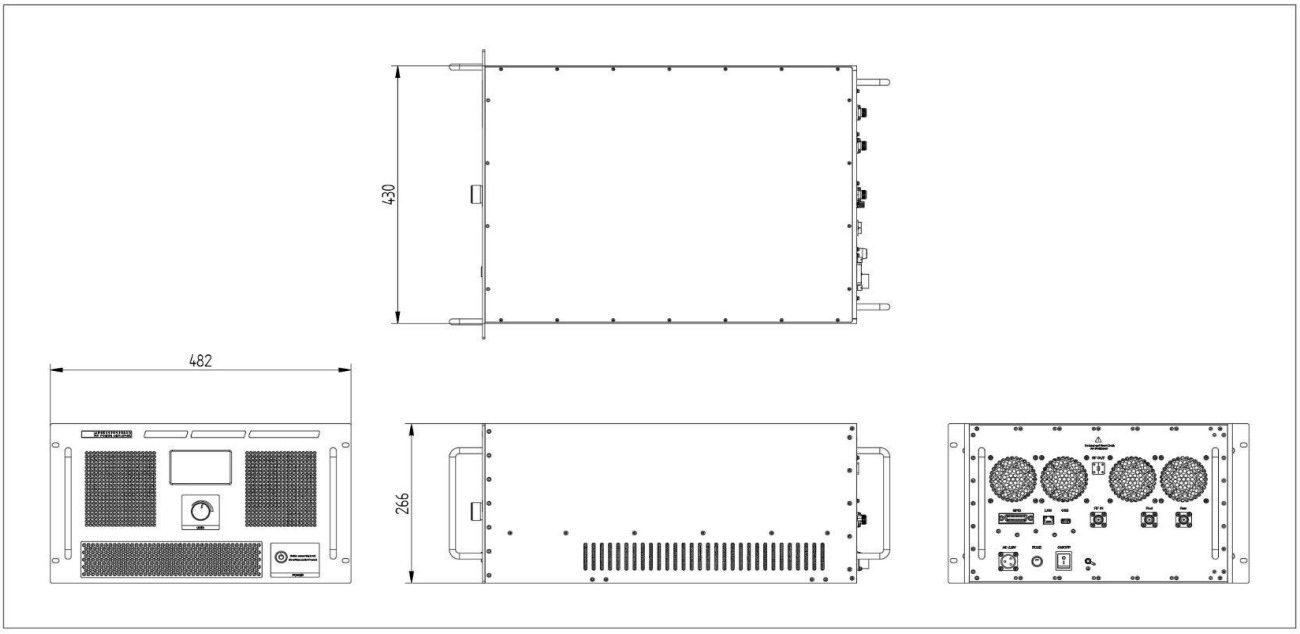
## MECHANICAL CHARACTERISTICS

| Parameter | Symbol | Min | Typ | Max | Unit |
|---|---|---|---|---|---|
| **Dimensions** | Dim | | 6U | | Rack Unit |
| **Weight** | Wt. | | | 60 | kg |
| **Connectors In/Out** | RF Conn | | N-F/N-F | | - |
| **Cooling** | Th | | Fan Cooling | | - |

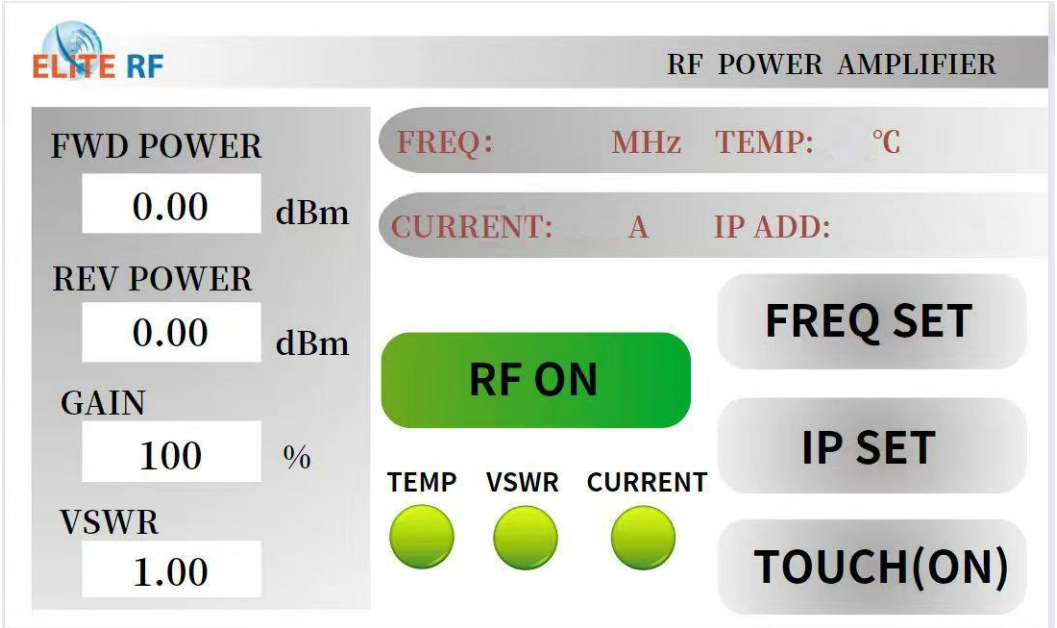
## CONTROL INTERFACE

| Options | Available |
|---|---|
| **Front Panel Touchscreen** | Yes |
| **LAN/USB** | Yes |
| **Custom Controls** | Yes |

## Mechanical Drawings




## Front Panel Display




**Elite RF LLC**

1700 Tower Dr, Hanover Park, IL 60133, USA
Call us for customer service/technical support at: 847-592-6350
Email: sales@eliterf.com Web: www.eliterfllc.com

Rev2 01/15/2025:
Specifications subject to change, consult sales for latest information

ECCN:EAR99
USHTS:8543.70.8000