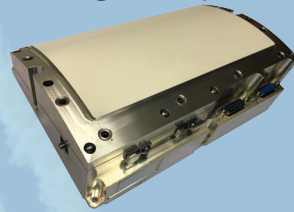


# KRATOS | GENERAL MICROWAVE Microwave Electronics Division

## SOLID STATE POWER AMPLIFIERS (SSPA)

KRATOS General Microwave designs and manufactures cutting-edge microwave SSPAs that meet the most rigid military and commercial requirements. Utilizing the latest Gallium Nitride (GaN) and Gallium Arsenide (GaAs) technologies, Kratos provides high power density in a compact footprint to meet critical space and weight requirements at high frequencies.

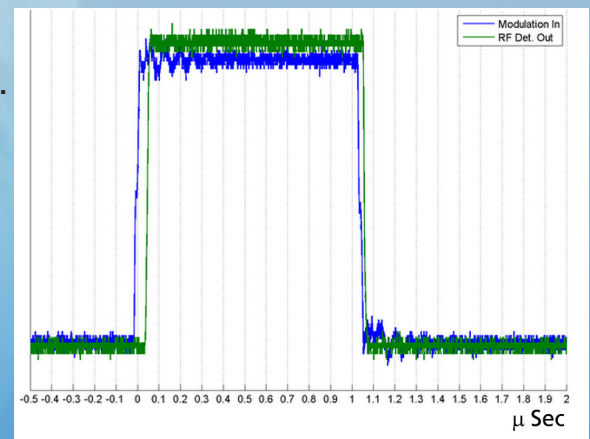
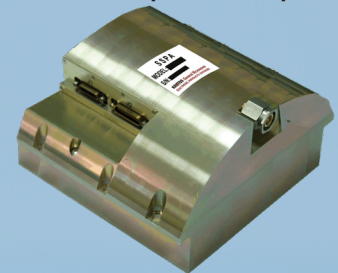


### Main Benefits

- ▶ Unprecedented efficiency using GaN technology
- ▶ High power density - increased RF power in a small footprint
- ▶ Unparalleled design flexibility to quickly meet custom requirements and reduce time-to-market
- ▶ Top notch quality and reliability via meticulous design and production
- ▶ Designed and built for the harshest environmental conditions – operating in hostile temperatures, shock, vibration, moisture, altitude and G-forces
- ▶ High performance at competitive prices

### Applications

KRATOS General Microwave offers a wide range of high frequency SSPAs that meet the stringent requirements of military, government, and commercial applications. KRATOS General Microwave is focused on providing high performance SSPAs for specific customer's military and non-military applications, such as missiles and EW and Internet for commercial aircrafts. KRATOS General Microwave's standard SSPA configuration, includes an internal high performance non-synchronous power supply. In addition for high performance pulse operation, special pulse modulation circuitry is incorporated.



# Kratos General Microwave offers a variety of custom and off the shelf SSPAs

Model	Frequency Range	Instantaneous BW	Output Power	Technology
SGN-KU1-7	13.75 - 14.5 GHz	Full	7W CW	GaN
SGN-X4-50	8 - 12 GHz	Up to 10%	50W CW	GaN
SGN-X5-30	6 - 12 GHz	Up to 100%	30W CW	GaN
SPA-X2-100	8 - 12 GHz	Up to 10%	100W Pulsed	GaAs
SGN-X3-200	8 - 12 GHz	Up to 10%	200W Pulsed	GaN
SGN-X3-400	8 - 12 GHz	Up to 10%	400W Pulsed	GaN

## ABOUT KRATOS GENERAL MICROWAVE

KRATOS General Microwave is a recognized worldwide leader in the design and manufacture of high performance, state-of-the-art microwave components and sub assemblies for the defense and non-defense markets with over 60 years of proven experience.

KRATOS General Microwave products are used in a variety of demanding environments, including missiles, airborne, naval and ground systems.

In addition to SSPA products, KRATOS General Microwave offers a range of broadband microwave products such as, Synthesizers, Integrated Microwave Assemblies (IMAs) and Control Components.

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