

KRATOS | GENERAL MICROWAVE COMPANY PROFILE



Kratos General Microwave is a global leader in high-performance RF and Microwave assemblies spanning 0.1 to 52 GHz. With deep expertise in RF, microwave, digital, software, and firmware design, Kratos delivers advanced, integrated, and combat-proven solutions for defense and commercial markets. With decades of heritage, Kratos General Microwave delivers innovative, reliable, and cost-effective solutions that meet the most demanding mission requirements and ensure long-term customer success.

Our catalog and custom products operate in mission-critical environments, including Airborne, Space, Naval, and Ground systems, supporting leading system houses worldwide. Kratos General Microwave provides Microwave and Digital Processing Subassemblies and Modules for a wide range of applications.

Applications

Space: LEO, GEO, and New Space Nanosatellite

Defense: Missiles, Electronic Warfare Systems and Simulators, Radars, Smart Munitions, Navigation Warfare, Communications, UAVs, and Homeland Security

Commercial: In-Flight Connectivity, IFF, Test Equipment, and Communication

Main Products

Broadband Synthesizers and Oscillators (0.5 to 20+ GHz)

Fast Indirect Synthesizers with less than 1 microsecond settling time with modulation, Direct Coherent Synthesizers with 40 nanosecond settling time.

Solid State Power Amplifiers (SSPAs)

Up to 1KW in X, Ku, Ka, Q and V bands, for applications such as missiles, airborne RADAR systems.

Transceivers and Receivers

Narrow-band and Broadband products for Data Links for: Missiles, Satellites, Smart/Guided Munition and UAVs.

Adaptive Antenna for GNSS

Advanced Adaptive Antenna Modules to protect GNSS systems such as GPS and GLONASS from jamming.

Up and Down Frequency Converters

Custom Up and Down narrow and wideband Frequency Converters for applications such as Electronic Warfare systems, Space (LEO and GEO) and Satellite communications.

Custom IMAs

Multi-disciplinary Integrated Assemblies incorporating Microwave, Digital, Software and Firmware state of the art technologies. Assemblies are built to customer requirements for broad, challenging and demanding applications, such as Space, Missile Seekers, Electronic Warfare, Radar and In-Flight Connectivity and more.

Sensors

Variety of sensors from simple low cost-to complex high-end. General microwave sensors are incorporated in Defense systems such as Missiles with Digital Proximity and/or Altimeters, Smart Munitions and DIRCM. For Non-Defense markets, our sensors are used in Range and Velocity Measuring systems, for example, measuring liquid levels.

Beam Forming Modules

A versatile line of complex high-density modules for Phase Array Radars.

Control Components (0.1 – 40 GHz)

Based upon PIN diode and proprietary coupler technology, this product line includes Switches (SPST up to SP26T for low, medium and high power), Switched Filter Banks, Attenuators, Limiters, Modulators, Phase Shifters, Frequency Translators and I/Q Vector Modulators. All of these products are available with either digital or analog control.

Certifications

Kratos General Microwave is certified to ISO 9001:2015 and AS9100 Rev. D. applicable to the design and manufacture of microwave components, super components and sub systems. In addition, we are Certified for IPC600 as well as ISO 14001. Our USA site is certified to ISO 9001:2015.

RoHS & REACH Compliance

Most of Kratos General Microwave products are available as RoHS and REACH compliant. If your system requires compliance to these standards, please indicate it in your specifications.

Offset and Made In India

Kratos General Microwave is committed to support Offset requirements of its customers. As part of this commitment and to support the market in India, we established a company in India.

Locations

Today, KRATOS General Microwave is comprises of multiple locations in Israel, India and the USA. Please contact any of the following sites for further information.

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