

See
the Unseen:
**Advanced
Electronic
Solutions for
Radar Systems**

electronics ■ mechanics ■ interconnect

saca
— europe sp. z o.o. —

■ sacaeurope.com





ICPE

Torque Motors - Direct Drive Motors -
Frameless Motors - Brushless Servo Motors -
Resolvers



Mtron

Packaged Quartz Crystals - Clock Oscillators -
VCXO, TCXO, OCXO - Modular Timing Solutions
and Various Filter Product - LC - Cavity -
Ceramics



Statek

Ultra-Miniature Quartz
Crystals - Oscillators -
Sensors

A1 Microwave

A1 Microwave

Straights - Bends - Twists and Flexibles -
Filters - Diplexers - Power Combiners -
Couplers and Adaptors



Marki

Amplifiers - Couplers - Equalizers -
Filters - IQ Mixers - Mixers -
Multipliers - Power Dividers -
Attenuators - Limiters



Lin Engineering

Frameless Motor -
Linear Actuator -
Stepper Motor



Insulated Wire

Low loss Coax - Cable
Assemblies up to 67Ghz



Konnect RF

Connectors - Custom Cable
Assemblies - DC Blocks -
RF Switches



SynQor

Ruggedized DC/DC Power
Converters - AC/DC Converters -
DC&AC EMI Filters



MAC

Ceramic Filter - Dielectric Duplexer - Multiplexer -
Quadrifilar Meander/Ceramic/Near Field/Yagi/GPS/
Chip Antenna



Motien

0,25 W to 60 W DC-DC
converter modules



Advanced Motion Controls

Servo Motor Drives



RFCI

Circulators - Isolators



Amplivisions & Polyfet
Power Transistors &
Amplifiers



Panlink

Slipring -
Rotary Joints



Micropol

Expanded Beam
Fiber Optic
Connectors & Cables



SECO

Edge Computing - IoT - AI -
COM HPC - SBC Modules



**Safran
Sensing Technologies
Norway AS**

Tactical Grade MEMS Based
Gyros - IMUs



Euroquartz

Crystal Filters - Resonators -
Oscillators - VCXO - TCXO - OCXO

SYNQOR



Ruggedized high power density, low EMI, high efficiency, compliance with military standards.

Usage

Used in power supply systems requiring high efficiency and low electromagnetic interference.

Unique Features

Ensures high power density and low EMI, improving the overall efficiency and electromagnetic compatibility of the radar system.



MARKI MICROWAVE



Supports multiple form factors including die, surface mount, and connectorized solutions for the entire RF block diagram from DC to sub-THz frequencies.

Usage

High frequency and broadband products for RF and microwave applications.

Unique Features

Offers low loss and high efficiency connector, SMD and bare die solutions in small sizes.



MTRON



Known for custom filter and resonator solutions with excellent frequency stability for satellite communication and test equipment.

Usage

Suitable for stable and low-noise frequency generation.

Unique Features

Delivers high frequency stability and low phase noise, enhancing signal clarity and reliability in radar communications.



A1 MICROWAVE

A1 Microwave

Specializes in customized microwave components and innovative packaging solutions for research and development applications.

Usage

Microwave systems engineering, research and development.

Unique Features

Customized microwave components, high frequency stability, innovative packaging solutions.



AMPLIVISIONS

AmpliVisionS
Unique Amplifier with innovation

High power output, low noise, wide bandwidth.

Usage

Ideal for robust signal processing.

Unique Features

Delivers high power output and wide bandwidth, crucial for robust and versatile radar signal processing.



POLYFET

POLYFET RF DEVICES

Offers high efficiency RF power transistors suitable for broadcast, medical, and industrial applications.

Usage

Ideal for high-power signal transmission.

Unique Features

Provides high power output and low noise, essential for strong and clear signal transmission in radar systems.



MAC TECHNOLOGIES



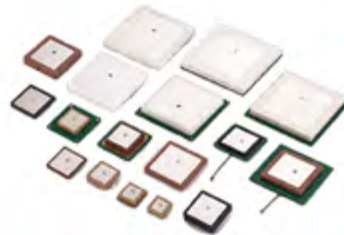
Provides advanced signal processing capabilities and modular solutions for RF and microwave systems integration.

Usage

Used in wide frequency range applications.

Unique Features

Ensures wide frequency range and high precision, enhancing the radar's ability to detect and process various signals.



RFCI



Provides robust RF switches and connectors with high power handling capability, ideal for defense electronics and radar systems.

Usage

Used in precise signal processing.

Unique Features

Provides high accuracy and low phase noise, ensuring precise signal processing and reliable radar performance.



STATEK



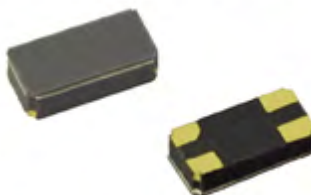
Renowned for its miniature, rugged frequency control products that deliver precise frequency management even in extreme conditions.

Usage

Used in high-precision timing and frequency control.

Unique Features

Offers high precision and durability, ensuring stable performance and longevity in radar frequency control.



EUROQUARTZ



Specializes in high-precision timing solutions with low phase noise and customizable frequency ranges.

Usage

Suitable for accurate timing and frequency control.

Unique Features

Known for high precision and low power consumption, ideal for maintaining accurate timing and frequency control in radar applications.



SECO



Offers compact and modular embedded computing solutions with high computational power and long-term availability, ideal for real-time applications.

Usage

Ideal for efficient data processing and CPU modules in radar systems.

Unique Features

Offers high performance and low power consumption, critical for efficient data processing and long operational periods in radar systems. Various form factors and compact system solutions.



MOTIEN



With its compact dimensions and high efficiency, DC/DC converter products operating with a minimum efficiency of 80% will give you space in your design.

Usage

Ideal for providing stable power in varying conditions.

Unique Features

Provides high efficiency and wide input voltage range, ensuring stable power supply even in variable conditions.



SAFRAN SENSING TECHNOLOGIES NORWAY AS



Focused on high precision tactical grade MEMS Based gyroscopes and IMUs.

Usage

Satellites, rockets, unmanned aerial vehicles, robotic systems, mapping equipment, and tunnel boring machines operating in challenging environments. With exceptional durability, low Size-Weight-Power (SWaP) profile, and long-term performance, they provide reliable data for critical missions.

Unique Features

ITAR Free, Hermetically Package Options, Qualified for more than 20 years of product life expectancy, ARM microcontroller provides flexibility in the configuration, like choice of output unit, sampling frequency, LP filter -3dB frequency and RS422 bit-rate and protocol parameters.



MICROPOL



Provides fiber optic connectors that have expanded beam technology with high-speed data transmission capabilities and enhanced ruggedness on harsh environment, suitable for demanding applications.

Usage

Suitable for precise and durable connections.

Unique Features

Delivers high precision and durability, crucial for maintaining stable and accurate connections in radar systems.



OMNETICS



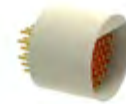
Small form factor, high durability, high performance.

Usage

Ideal for space-constrained and demanding environments.

Unique Features

Offers small form factor and high durability, ideal for space-constrained and demanding radar environments.



INSULATED WIRE



Provides customized cable assemblies with high voltage and temperature ratings, suited for RF applications and test equipment.

Usage

Used in high-temperature and flexible connection needs.

Unique Features

Provides high-temperature resistance and flexibility, ensuring reliable connectivity even in extreme conditions.



KONNECT RF



Specializes in high-frequency connectors that offer excellent electrical performance and durability, ensuring secure and reliable connections.

Usage

Suitable for high-frequency connections.

Unique Features

Known for high-frequency performance and durability, ensuring reliable connections in high-frequency radar applications.



ICPE



Custom-made motors are available for your requirements.

Usage

Precision motion control in gimbal and turret systems.

Unique Features

High torque-to-weight ratio, zero cogging and no torque ripple options, zero backlash on linear motors, optional customised solutions, compact design for space-constrained applications, low inertia and high efficiency.



ADVANCED MOTION CONTROLS



Drivers compatible with all motor types are provided (Servo, BLDC Brushed, BLDC Brushless, Step).

Usage

Motor control and stabilization in dynamic environments.

Unique Features

With its Safe Torque Off (STO) feature, small size and powerful drive options and efficiency of over 98%, Advanced Motion Controls is ahead of its competitors.



PANLINK



With its outstanding precision, durability, and customizable designs, it confidently steers your technological advancements by providing high-performance slip ring solutions to the industry.

Usage

Transmitting power and signals in rotating assemblies.

Unique Features

Low electrical noise and signal degradation, high bandwidth for data transmission, compact and lightweight design. Throughbore models allow designers to solve complicity of multiple cable existences.



LIN ENGINEERING



Capable of manufacturing hybrid stepper motors, BLDC motors, gearboxes, frameless motors, linear actuators, micro DC motors, drive wheels.

Usage

Commonly used in aerospace, robotics, medical devices, automation systems, tracking systems, satellites and other precision industrial equipment.

Unique Features

Lin Engineering products are designed for high performance, low power consumption, low noise, low vibration, high accuracy & long life.



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Unique Amplifier with innovation

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DEVICES**

mac technologies

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STATEK
Est. 1979

EUROQUARTZ

SECO

**MOTIEN
TECHNOLOGY**

SAFRAN

MICROPOL

OMNETICS
CONNECTOR CORPORATION

**IWI INSULATED WIRE
INCORPORATED**

Konnect RF

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MOTION CONTROLS**

PANLINK
奔联技术

LIN ENGINEERING
MOTOR SPECIALISTS IN MOTION
A MOONS COMPANY

See the Unseen:
Advanced Electronic Solutions for Radar Systems

SACA
— europe sp. z o.o. —

P O L A N D

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