# PRESS RELEASE

Hall 6, Booth 342



**Würth Elektronik at PCIM Expo 2025**

**Power Electronics in Focus**

Waldenburg (Germany), April 17, 2025 – Würth Elektronik eiSos Group will be represented with its own booth at the PCIM Expo in Nuremberg, May 6–8, 2025. At the leading trade show for power electronics, the renowned component manufacturer will present its innovative products and participate in the seminar program with two interesting lectures. Booth highlight: SPICE icon Mike Engelhardt.

“Electronic application developments of the future will depend on high switching frequencies and maximum efficiency, with a minimal footprint,” stresses Alexander Gerfer, CTO of Würth Elektronik eiSos Group. “Trade visitors at our booth can experience the state of the art of components in terms of their functionality, energy efficiency, and miniaturization. We will also be there to support our customers, partners, and startups in their development work with a wealth of services and specific advice.”

At Booth 342 in Hall 6, Würth Elektronik eiSos Group will showcase a range of products and innovations designed to meet the growing demand for power electronics both now and in the future.

Comprehensive range of components

The [WE-PMFI](https://www.we-online.com/en/components/products/WE-PMFI) is a new shielded flat-wire inductor that combines high rated currents with low DC losses in a compact design. A high-current inductor, the [WE-HCMD](https://www.we-online.com/en/components/products/WE-HCMD?ajax=), has been specially developed for TLVR (Transient Load Voltage Regulation) applications and has no problems combining high saturation currents of up to 190 A with low RDC, and a coupling factor of up to 0.98.

The [Variable Step Down MicroModules MagI³C-VDMM](https://www.we-online.com/en/components/products/MAGIC-VDMM) from Würth Elektronik offer highperformance power modules in various packages. Their compact design and optimized EMC behavior make them ideal for point-of-load DC/DC applications or as a replacement for linear regulators.

Another highlight is the expansion of the [WE-HCFT](https://www.we-online.com/en/components/products/WE-HCFT?ajax=) series of THT high-current inductors: featuring a new metal alloy and the use of flat wire for the coil, to achieve current carrying capacity of up to 100 A saturation in excess of 260 A, minimal core losses, and stable inductance across all operating temperatures.

Additionally, the [WE-XHMI](https://www.we-online.com/en/components/products/WE-XHMI) series now also includes four new sizes of power inductors. The new generation excels with optimized performance – ideal for developing efficient high-current switching regulators.

The [WE-MXGI](https://www.we-online.com/en/components/products/WE-MXGI) molded power inductor, on the other hand, scores with extremely low RDC and AC losses as well as its innovative iron alloy material. It offers high efficiency and current-carrying capacity in a compact design, perfect for high-frequency DC/DC converters based on modern GaN or SiC transistor technologies.

Thanks to the wide range of [optocouplers](https://www.we-online.com/en/components/products/led/optoelectronic_optocoupler) and [digital isolators](https://www.we-online.com/en/components/products/di?utm_source=eisos-de-17042025-webinar), optimal isolation solutions can be realized for a wide range of applications. Würth Elektronik also provides the appropriate connection technology for high-current applications with its tried-and-tested [REBCUBE terminals](https://www.we-online.com/en/components/products/em/redcube_terminals).

Strong partnerships with leading semiconductor companies

At its booth, Würth Elektronik will also be presenting turnkey solutions arising from its multifaceted cooperation with IC manufacturers.

Highlights include a fault-tolerant six-phase motor driver developed together with STMicroelectronics as well as a modular multilevel converter from its collaboration with Infineon.

Also at the booth: the Nexperia Motor Driver Kit featuring over 50 Würth Elektronik components. The innovative kit includes a motor controller board, a three-phase inverter, and a Leonardo board. This enables a wide range of applications, from power tools to wireless devices to electric forklifts. The Nexperia Motor Driver Kit is also ideal for evaluating three-phase brushless DC (BLDC) motor applications, and is flexible enough to be adapted to many other motor types.

QSPICE demo station with Mike Engelhardt

The well-known developer of the LTspice simulation software will personally introduce and explain the new tool – QSPICE. The upgrade now includes the latest components with wide bandgap (WBG) materials, such as silicon carbide and gallium nitride semiconductors. Engelhardt has been programming physical simulators since 1975, holds eight important patents, and has given presentations on SPICE (Simulation Program with Integrated Circuit Emphasis) in 48 countries.

Contributions to the seminar program:

* Lecture: Dr. Heinz Zenkner, EMC specialist at Würth Elektronik, on Sunday, May 4, 2025, 2:00 pm, on: “Safeguarding Industrial Interfaces: Reliable Protection Against Transients with Modern TVS Diodes”
* Poster presentation: Christian Merz, Würth Elektronik, on Wednesday, May 7, 2025, 12:45 pm: “Development and Characterization of an SMD Qi-Compliant Wireless Power Coil”

PCIM EXPO 2025

Trade show for power electronics

Nuremberg Messe

Messeplatz 1

90471 Nuremberg

Würth Elektronik eiSos Group

Hall 6, Booth 342

<https://pcim.mesago.com/nuernberg/de.html>

**Available images**

The following images can be downloaded from the Internet in printable quality: <https://kk.htcm.de/press-releases/wuerth/>

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| Image source: Würth Elektronik  **Würth Elektronik booth team: personal contact for technical discussions** | Image source: Mike Engelhardt  **SPICE expert Mike Engelhardt presents the new QSPICE simulation tool at the Würth Elektronik booth.** |

About the Würth Elektronik eiSos Group

Würth Elektronik eiSos Group is a manufacturer of electronic and electromechanical components for the electronics industry and a technology company that spearheads pioneering electronic solutions. Würth Elektronik eiSos is one of the largest European manufacturers of passive components and is active in 50 countries. Production sites in Europe, Asia and North America supply a growing number of customers worldwide.

The product range includes passive components, power modules, digital isolators, optoelectronics, electromechanical components, thermal management solutions, sensors and wireless modules. The portfolio is rounded off by customer-specific solutions.

The unrivaled service orientation of the company is characterized by the availability of all catalog components from stock without minimum order quantity, free samples and extensive support through technical sales staff and selection tools.

Würth Elektronik is part of the Würth Group, the global market leader in the development, production, and sale of fastening and assembly materials, and employs around 7,500 people. The Würth Elektronik Group generated sales of 1 Billion Euro (all figures according to preliminary results for 2024).

Würth Elektronik: more than you expect!

Further information at [www.we-online.com](http://www.we-online.com)

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