OMRON

COMPONENT INSIDER

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Hello [First Name] !

Welcome to our monthly newsletter, your go-to source for everything related to OMRON Electronic Components! We'll be discussing our latest in technology, events, and more! Whether you're looking to stay ahead of the curve or simply curious about what's new, we've got you covered. Let's dive in and discover the exciting world of electronic components together!

If you have any feedback, please email us!

Sincerely,
The Team @ OMRON Electronic Components

Featured **Products**



G9EK-E

The G9EK-E is an expansion of the G9EK series. A SPST high-power relay aimed to provide a cost-effective solution for DC disconnect applications. This product is rated to switch 200A at 500VDC bi-directionally, up from the standard model's 120A maximum, eliminating the need for multiple switching components to alternate forward and reverse currents. The G9EK series offers high shock and vibration characteristics coupled with cost-down benefits from hermetically sealed switching predecessors.

Learn More



G3VM-QV

Omron's new, **highest temperature,** MOS FET relays:

- G3VM-31QV2H(TR05)
- G3VM-61QV3H(TR05)
- G3VM-61QV4H(TR05)
- G3VM-61QV3L(TR05)

These MOS FET relays offer greater capability than existing models in the QV series. The voltage-driven G3VM models in this grouping have a greater operating temperature range up to 125 degrees Celsius, and offer coverage for various input and output voltages, as well as continuous load currents

Learn More



D2AW-R

D2AW-R switches, designed to streamline failure diagnosis and enhance the efficiency of your operations.
The D2AW-R switches offer advanced capabilities, including the detection of irregular conditions such as wire disconnections and switch failures. With remote detection functionality, these switches significantly reduce the man-hours required to identify and address failures, providing timely alerts for parts replacement.
Key features of the D2AW-R switches include:

- **ON/OFF State Indication:** Clearly indicates whether the circuit is closed or open.
- **Short-Circuit State Detection:** Identifies direct connections between two points in the circuit.
- **Disconnection State Detection:** Alerts to breaks in the circuit or faulty connections.
- By monitoring these states, engineers can identify and troubleshoot any issues within the circuitry of their devices, ensuring optimal performance and minimizing downtime.

Newly released models of the D2AW-R switches are now available with molded lead wire options, offering additional flexibility and durability.

Learn More



D6T

OMRON D6T MEMS Thermal Sensors are advanced, contactless temperature measurement devices that offer low noise, easy connection, and high precision. Utilizing a combination of ASIC and MEMS technology, these sensors detect even slight temperature changes by absorbing radiant energy from objects. They are widely used in various industries, including home appliances, air conditioners, lighting systems, room-entry management, and industrial settings. Applications range from monitoring abnormal high temperatures to detecting human presence and ensuring efficient temperature control in refrigerators and other equipment.

Learn More

OMRON **News**



Harnessing Technology to Drive Climate Action

As climate change intensifies, with events like the West Coast wildfires, the need for innovative solutions is critical. In this article, Cary Horan explores how technology, especially advancements in electronics and IoT, is driving eco-innovation. From smart streetlights that monitor real-time environmental data to intelligent infrastructure systems that inform better decisions, these technologies are leading the way to a more sustainable future.

Read Here

Fresh On The Board - March 2025

Flow-mounted components are rare in small, mass-produced boards. Surface-mount technology, promoted by OMRON, boosts efficiency. Read more about it in the latest Fresh on the Board

Learn More

OMRON Events



AI in Action: Transformative Technologies for Human Vision Image Sensing

Watch On Demand to discover how human vision sensing can elevate your AI needs. With over 20 years of expertise in AI solutions, we will demonstrate how our cutting-edge sensing technology integrates seamlessly into your applications. Learn about three innovative solutions designed to enhance flexibility and performance.

Watch On-Demand



Driving the Evolution: Innovative Solutions for the Small Mobility Market

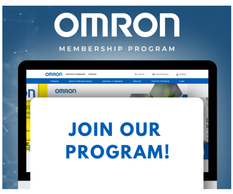
Watch On Demand to learn the current needs of the small mobility market,including forklifts, scissor lifts, golf carts, AGVs, lawnmowers, tractors, and e-bikes. Discover application solutions with the latest power relays and sealed micro switches and explore future technologies for more efficient and safe operations.

Watch On-Demand

Interested in other events OMRON is a part of or hosting? Check out our events page so you never miss a thing!

Events Page

OMRON **Membership Program**



For a limited time, we will be offering our membership program free to anyone who signs up for it.

- Free download of 2D/3D CAD and ECAD files
- Updated information on New Products
- Access to OMRON's exclusive newsletter
- Downloadable RoHS Certifications
- Reference History
- And more to come...

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