

OMRON Launches Compact Non-leaded MOSFET Relay With 75% Higher Load Current

Hoofddorp, Netherlands, Tuesday, 8 March 2022 – A new MOSFET relay from OMRON Electronic Components Europe combines a high current rating (200V 0.35A) and high ambient operating temperature range in a small-sized surface mount format, making it an excellent choice for test and measurement equipment.

The G3VM-201WR – a 200V addition to OMRON's existing MOSFET relay series – has an improved P-SON four-pin terminal pad design that ensures high heat dissipation; while its improved terminal shape results in better solder joints.

At just 3.4mm by 2.1mm, and with an ambient operating temperature ranging from -40°C to $+110^{\circ}\text{C}$, this compact device can realise a current load of 75% higher (0.35A, $49\text{mA}/\text{mm}^2$) than a comparable SOP4 type relay (0.2A, $7.3\text{mA}/\text{mm}^2$). It also features fast turn on and turn off times of 1ms.

The OMRON MOSFET relay series also includes VSON and SVSON components (capable of handling load voltages up to 100V), for applications where space is critical.



OMRON's new addition to its MOSFET relay family delivers a higher load current capacity in a compact P-SON package

About OMRON Electronic Components Europe

OMRON Electronic Components Europe is a leader in electromechanical PCB relays, as well as a leading supplier of components such as micro switches, MOSFET relays, DIP switches, photomicrosensors and connectors. OMRON has a strong portfolio of innovative technologies including MEMS based pressure, flow and thermal measurement sensors, human face and gesture recognition modules, vibration and tilt sensors.

OMRON Electronic Components Europe strongly supports its customers in Western and Eastern Europe, Russia and the CIS through 8 regional offices, a network of local offices and partnerships with specialist, local, regional and global distributors.

OMRON Electronic Components Europe is a subsidiary of the OMRON Corporation, recognised worldwide as a leader of high quality, high technology electrical and electronic control equipment and component products.

About OMRON Corporation

OMRON Corporation is a global leader in the field of automation based on its core technology of "Sensing & Control + Think." OMRON's business fields cover a broad spectrum, ranging from industrial automation and electronic components to social infrastructure systems, healthcare, and environmental solutions. Established in 1933, OMRON has about 28,000 employees worldwide, working to provide products and services in around 120 countries and regions. In the field of industrial automation, OMRON supports manufacturing innovation by providing advanced automation technologies and products, as well as through extensive customer support, in order to help create a better society.

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