

Omron Electronic Components: The Quality, Flexibility and Global Support You Need

An Experienced Partner

With over 75 years experience and 7.5 billion US dollars in sales, Omron is one of the world's largest suppliers of electronic controls and components. Our extensive investment in research, and our commitment to developing innovative products based on the latest technologies has established our position as a global market leader to the Medical Industry.

Quality First: Our Commitment, Your Benefit

Omron Quality is a mandate, not an option. We 100% test each product and examine every physical, mechanical, and electrical parameter on the manufacturing line before it leaves the factory. All products are fully RoHS compliant.

World Recognized Flexibility and Support

Omron offers over 300,000 products, product customization, and co-development options. We also provide a complete network of global and local sales and technical support to assist you from design to delivery.

For More Detailed Information...

Visit Us Online: www.components.omron.com

- Browse Omron's full range of product information and selection guides.
- Download PDF's – datasheets, brochures, and more.
- Search the cross-reference database to locate Omron component solutions.
- Locate a distributor and search for available inventory.

Call Us:

1-847-882-2288 Monday through Friday, 7:30 a.m. to 6:00 p.m. Central Time (CT)

Email Us:

components@omron.com

Required Precautions

It is the buyer's sole responsibility to ensure that any omron product is fit and sufficient for use in a motorized vehicle application. Buyer shall be solely responsible for determining appropriateness of the particular product with respect to the buyer's application, end product, or system. Buyer shall take the application responsibility in all cases, but the following is a non-exhaustive list of applications for which particular attention must be given:

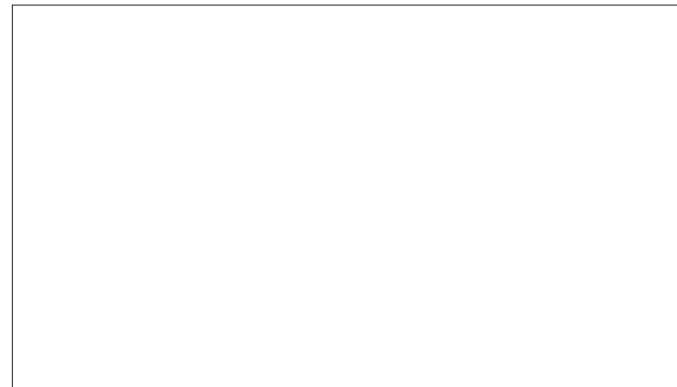
- Outdoor use; uses involving potential chemical contamination or electrical interference, or conditions or uses not described in this document.
- Use in consumer products or any use in significant quantities.
- Energy control systems, combustion systems, railroad systems, aviation systems, medical equipment, amusement machines, vehicles, safety equipment, and installations subject to separate industry or government regulations.
- Systems, machines, and equipment that could present a risk to life or property.

Never use the product for an application involving serious risk to life or property or in large quantities without ensuring that the end product as a whole has been designed to address relevant risks, and that the omron product is properly rated and installed for its intended use.

OMRON ELECTRONIC COMPONENTS LLC

North and South America

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Schaumburg, IL 60173



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Solutions for the Medical Market

Electronic Components from Omron



Sensing, switching and other products for the medical market

Relays
Sensors
Switches
Connectors
NIBP Module
Photomicrosensors

OMRON®

OMRON®

Omron Electronic Components provides a variety of electronic component solutions that are suitable for use in your Medical Devices. Whether you are designing equipment for Respiratory, Radiology/Imaging, the Hospital Floor, Surgical Suite, or Laboratory, Omron has a component solution for your specific application needs. We are committed to providing quality-driven products and reliable support to satisfy the design needs of the Medical Industry worldwide.

You can browse Omron's full range of electronic components at www.components.omron.com

Laboratory/Diagnostic Equipment

Hospital Equipment

Vital Sign Monitoring

Respiratory

Surgical

Home Care

Radiology/Imaging



SENSORS



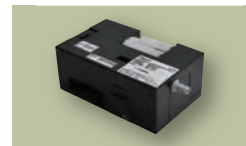
Flow Sensors
High accuracy mass flow sensing. The new D6F detects both gas flow velocity and direction. The silicon thermal sensor consistently outperforms other sensor types. An ideal solution for use in respiratory monitors.



Pressure Sensors
Solid-state pressure sensors are available in analog, pulse, or frequency output signal. The DBM MEMS-based micro pressure sensors are specifically designed to detect very small changes in the pressure levels, for diagnostic equipment.

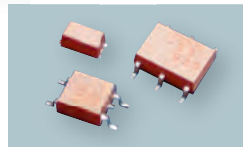


Photomicrosensors
Omron has a slotted and reflective optical switch that are suitable for your most challenging applications, whether it calls for a microphotonic or non-amplified photomicrosensor. Choose among different slot widths, sensing distances, configurations, or mounting styles.

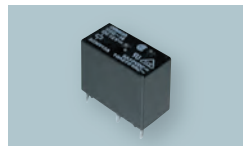


M3600 NIBP Module
The Omron® M3600 is a self-contained Non-Invasive Blood Pressure (NIBP) module that combines the hardware and software necessary to perform complete blood pressure measurements utilizing the oscillometric method.

RELAYS



MOS FET Relays
The smallest, fastest precision components on the market, Omron's MOS FET line of relays deliver the speed and accuracy needed for imaging, diagnostic and electromedical equipment.



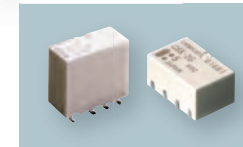
Power PCB Relays
Omron, the #1 seller of relays worldwide, has a relay tailored to your power switching needs, including fully sealed versions. Coil voltages range from 3V DC which can be IC driven, up to 48V DC.



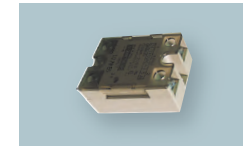
HF/RF Relays
Omron delivers the industry's widest range of design options in high frequency relays. Our patented microstrip line construction within the relay eliminates cross-talk and improves isolation when compared to other types of HF switching devices.



High Voltage DC Relays
Compact relays capable of interrupting high-voltage, and high-current loads.

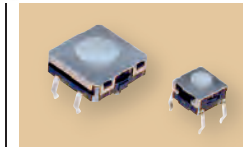


Low Signal Relays
Omron's signal switching components deliver accuracy and reliability while saving space and power. Our signal relays are available in a multitude of packaging and mounting options for every design need.



Solid State Relays
Compact, low cost, Solid State Power switching. From 5-90A, silent and reliable.

SWITCHES



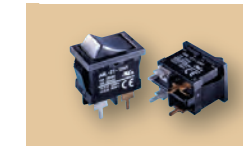
Tactile Switches
Consistent switching characteristics offer excellent performance. Available with a wide variety of actuators, mounting styles, and switching capabilities.



Detection Switch
Sealed and unsealed snap-action switches are available with a variety of ratings, actuators and termination options. Sealed versions, rated to IP67 and IP50, are suitable for use in "wet" locations.



Specialty Switches
New models and a broad selection range provide an array of solutions, meeting the needs of today's high performance applications.



Rocker Switches
Miniature Rocker Switch. Withstands inrush currents up to 100 A with a contact gap of 3mm minimum.

CONNECTORS



I/O Sensor Connectors
New bayonet locking mechanism solves the problems of traditional screw-type connectors. The XS5 eliminates loosening concerns and reduces installation time and effort. A complete range of connectors are available.



FPC Connectors
The smallest and most reliable fine pitch cable connectors will offer you the design flexibility needed to maximize space and provide secure connections, using Omron's patented Rear Locking Mechanism