

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

### An Experienced Partner

With over 70 years experience and 5.5 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 made us well known in the marketplace for its Home Blood Pressure Cuffs and Nebulizers.

### 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](http://www.components.omron.com)

- Browse Omron's full range of Product information and selection guides.
- Download PDF's – datasheets, brochures, and more.
- Find Omron solutions for competitive products.
- 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](mailto:components@omron.com)

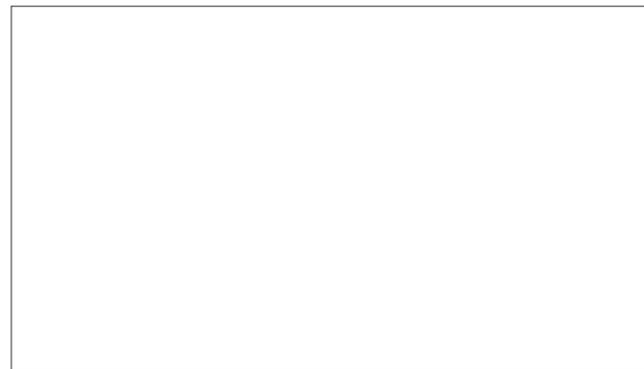
#### REQUIRED PRECAUTIONS

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 ELECTRONICS COMPONENTS LLC North and South America

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Schaumburg, IL 60173



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# Solutions for the Medical Market Electronic Components



Sensing, switching and other products for the medical market

Sensors  
Connectors  
Relays  
Switches

**OMRON**  
ELECTRONIC COMPONENTS

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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](http://www.components.omron.com)

Laboratory/Diagnostic Equipment

Hospital Equipment

Respiratory

Surgical

Home Care

Radiology/Imaging



SENSORS



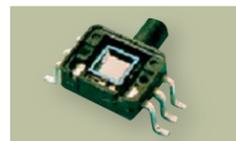
**Flow Sensors**  
High accuracy mass flow sensing. The new D6F detects both gas flow velocity and direction. The silicon thermal sensor consistently outperforms other sensor types. An ideal solution for use in respiratory monitors.



**Pressure Sensors**  
Solid-state pressure sensors are available in analog, pulse, or frequency output signal. The D8M MEMS-based micro pressure sensors are specifically designed to detect very small changes in the pressure levels, for diagnostic equipment.

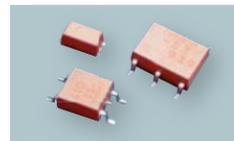


**Photomicrosensors**  
Omron has a slotted and reflective optical switch that are suitable for your most challenging applications, whether it calls for a microphotonic or non-amplified photomicrosensor. Choose among different slot widths, sensing distances, configurations, or mounting styles.



**Blood Pressure Sensor**  
MEMS-based pressure sensors with analog, pulse and frequency outputs. \*Minimum quantity of 100,000 pieces per year.

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.



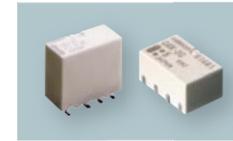
**Power PCB Relays**  
Omron, the #1 seller of relays worldwide, has a relay tailored to your power switching needs, including fully sealed versions. Coil voltages range from 3V DC which can be IC driven, up to 48V DC.



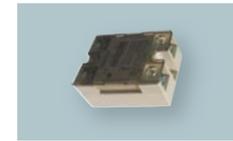
**HF/RF Relays**  
Omron delivers the industry's widest range of design options in high frequency relays. Our patented microstrip line construction within the relay eliminates cross-talk and improves isolation when compared to other types of HF switching devices.



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

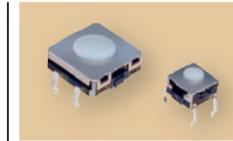


**Low Signal Relays**  
Omron's signal switching components deliver accuracy and reliability while saving space and power. Our signal relays are available in a multitude of packaging and mounting options for every design need.



**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.



**Combination Jog**  
The new Omron combination jog switch offers single user interface simplicity. Quickly and easily scroll through lists and make choices. Five tactile selector switches: a center push button, and four peripheral push points, are combined with a rotational jog feature.



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

CONNECTOR



**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