

## New Product Announcement

# Absorb Radiation with Molex HOZOX EMI Absorption Sheets and Tape from Mouser Electronics

May 8, 2014 – [Mouser Electronics](http://www.mouser.com), Inc. is now shipping the HOZOX™ EMI absorption sheets and tape manufactured by [Molex](http://www.molex.com). While only 0.1mm thick, these flexible sheets suppress most unwanted electromagnetic interference (EMI) while meeting government EMC regulations worldwide. The unique dual-layer structure of the HOZOX allows the sheeting to efficiently absorb both megahertz and gigahertz electromagnetic energy, providing a wide range of EMI protection for a variety of applications.

The [Molex HOZOX EMI absorption sheets](#) available from Mouser Electronics provide excellent EMI noise reduction for many electronics systems. Electromagnetic interference can interfere with the proper operation of many electronic systems by inducing electric currents into wiring and PC board traces, resulting in difficult to diagnose equipment malfunctions. In addition, EMI can cause self-heating in magnetically conductive metals, resulting in overheating problems that can result in equipment failure from thermal damage to components.

The HOZOX EMI absorption sheets inhibit stray EMI by using a unique two-layer design. The magnetic layer is composed of a sendust powder that efficiently absorbs low frequency electromagnetic noise. The much thinner conductive layer is composed of ferrite powder mixed with nano-carbon wires that mitigate high-frequency electromagnetic energy. Together these dual layers provide excellent EMI protection over a broad range of frequencies. A layer of adhesive is applied to the conductive layer and allows the sheets to be pressed firmly into place. Optionally, the adhesive can be applied to the magnetic layer. Once properly applied, the sheeting keeps stray electromagnetic fields safely contained.

These sheets are ideal for compact electronic devices such as [medical equipment](#), [Wi-Fi and other RF modules](#), [power supplies](#), and [low power](#) consumer electronics.

The HOZOX is available both in sheets, or in 10 or 20mm tape. To learn more, visit <http://www.mouser.com/new/molex/molex-hozox-emi/>.

With its broad product line and unsurpassed customer service, Mouser caters to design engineers and buyers by delivering What's Next in advanced technologies. Mouser offers customers 20 global support locations and stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is updated daily and searches more than 10 million products to locate over 4 million orderable part numbers available for easy online purchase. Mouser.com also houses an industry-first interactive catalog, data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

### **About Mouser Electronics**

Mouser Electronics, a subsidiary of TTI, Inc., is part of Warren Buffett's Berkshire Hathaway family of companies. Mouser is an award-winning, authorized semiconductor and electronic component distributor, focused on the rapid introduction of new products and technologies to electronic design engineers and buyers. Mouser.com features more than 4 million products online from more than 500 manufacturers. Mouser publishes multiple catalogs per year providing designers with up-to-date data on the components now available for the next generation of electronic devices. Mouser ships globally to over 400,000 customers in 170 countries from its 492,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit <http://www.mouser.com>.

### **About Molex**

Molex, established in 1938, is one of the world's largest global manufacturers of interconnect products. Molex creates innovative product solutions for wire-to-wire, wire-to-board, and board-to-board connectors, including header, backplane, terminal, telecom, Ethernet, and cable, as well as application tooling. Molex's efforts to minimize the environmental impacts of business activities, products, and services are reflected in their commitment to their environment management system, ECO CARE.

### **Trademarks**

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