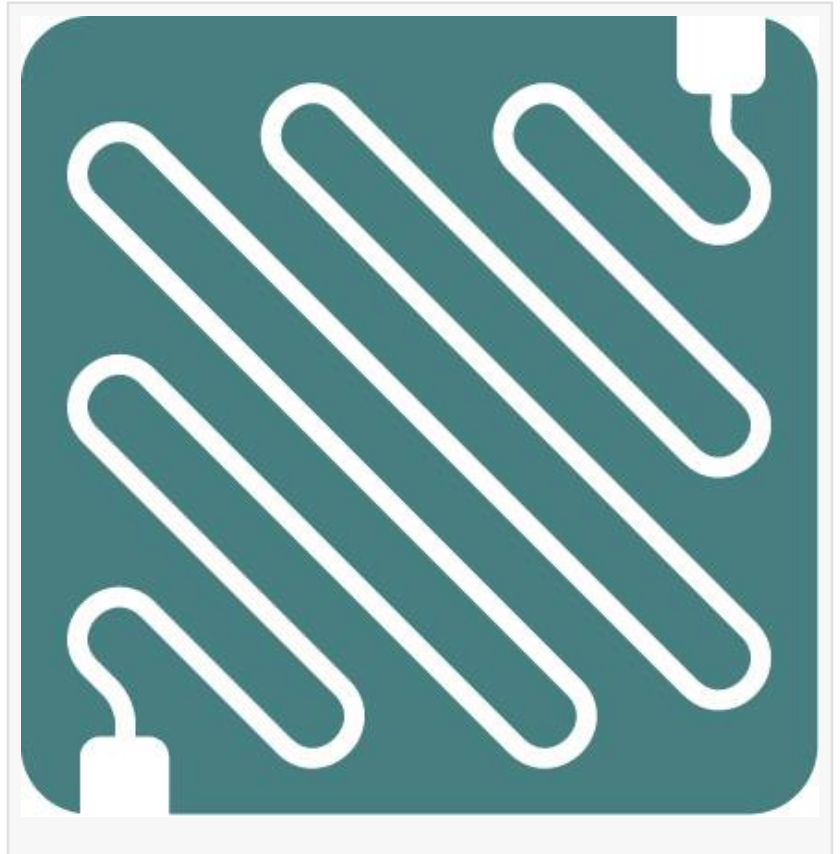


Ohmcraft High Voltage Resistors Control Electrical Current in Implantable Defibrillators

Designed to correct irregular heart patterns, implantable cardioverter defibrillators (ICDs) are small devices placed inside the chest to monitor heart rate.

ROCHESTER, NY, UNITED STATES, October 23, 2017 /EINPresswire.com/ -- Designed to correct irregular heart patterns, implantable cardioverter defibrillators (ICDs) are small devices placed inside the chest to monitor heart rate, and respond accordingly in the event of arrhythmia. When an abnormal heart rate is detected, the ICD will automatically defibrillate by delivering an electrical shock to correct the heartbeat. Ohmcraft's [high voltage chip resistors](#) help ensure the electrical current is controlled and stable for the protection of both the patient and the device.



For decades, Ohmcraft has been a leading supplier of [precision surface mount resistors](#) for defibrillator manufacturers. ICDs are the first line of defense against potential sudden cardiac arrest, and Ohmcraft's resistors are essential to ICD performance due to their reliability and stability in critical medical applications. Developed using proprietary Micropen precision printing technology, these [high precision resistors](#) provide high voltage capabilities in a small form factor—an absolute requirement in implantable medical devices that must be as small and lightweight as possible.

“Ohmcraft high voltage resistors have been used in critical medical applications for more than 20 years,” said Eric Van Wormer, Vice President of the Ohmcraft division of Micropen Technologies. “Due to the delicate nature of these applications, resistors of this kind are custom-made, and undergo rigorous testing to guarantee reliability and stability.”

Over the years, ICDs have been credited with restoring normal heart rates after arrhythmia, which, if no action is taken, can lead to sudden cardiac arrest and even death. In fact, the American Heart Association reports that ICDs may prevent cardiac arrest altogether in high-risk patients. It is therefore imperative that these devices remain reliable and ready to react in times of crisis.

About Ohmcraft

Ohmcraft's thick-film, surface mount resistors are engineered to meet application specific needs. Our

proprietary Micropen printing technology is the foundation for Ohmcraft's family of resistor products. Ohmcraft precision leaded resistors are manufactured with our patented Micropen technology to create a unique serpentine design that withstands voltages up to 100kV and provides an unmatched level of performance and stability. For more information, visit Ohmcraft.com.

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