



# Ohmcraft High Precision Resistors Help Ensure Automated External Defibrillator Efficacy and Reliability

ROCHESTER, NY, USA, July 6, 2017 /EINPresswire.com/ -- In the aftermath of sudden cardiac arrest, an automated external defibrillator—also known as a portable defibrillator or AED—is the swiftest, most effective treatment. These small, powerful machines must be effective and reliable, as it can mean the difference between life and death—and Ohmcraft’s [high voltage resistors](#) have played a critical role in AED operation for more than 15 years.

Leaders in the defibrillator market have long been employing Ohmcraft’s trademark [high precision resistors](#) in AEDs to ensure maximum accuracy. AEDs monitor and analyze the heart rate, and, if necessary, will deliver an electric shock (defibrillation) to help the heart reestablish its normal rhythm. Ohmcraft resistors control the pulse of defibrillation, providing the high voltage capability this kind of medical equipment requires, in a small form factor.

“In an emergency medical situation, reliability is critical—automated external defibrillators must always work and never fail. At Ohmcraft, all of our resistors go through rigorous testing to ensure complete reliability,” said Eric Van Wormer, Vice President of the Ohmcraft division of Micropen Technologies. “In addition, to maintain their portability, AEDs are manufactured to be as small as possible. Our proprietary Micropen technology enables us to [print surface mount resistors](#) that are high in capability, and small in size, making them perfect for applications of this kind.”

Sudden cardiac arrest affects more than 350,000 people annually, and the American Red Cross estimates that improved training and access to AEDs could save over 50,000 lives each year.

## 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](#).

Heather Kowalczyk  
McDougall Communications  
585-434-2148  
[email us here](#)

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