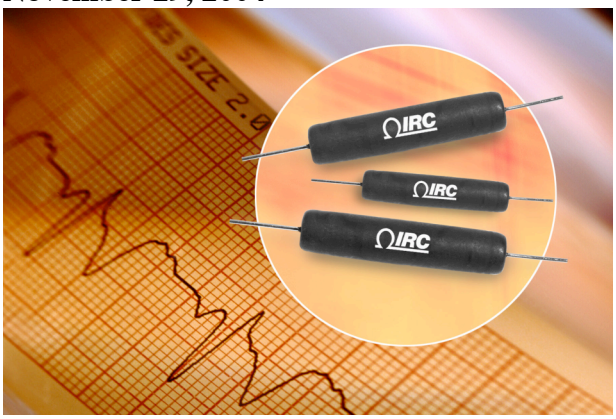
FOR IMMEDIATE RELEASE, BN584
November 29, 2004



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NT Series wirewound resistors withstand surges, limit current in external defibrillators…

IRC'S NON-INDUCTIVE RESISTORS TARGET SURGE APPLICATIONS IN MEDICAL ELECTRONICS

BOONE, N.C. (November 29, 2004) — Providing design engineers with a non-inductive power resistor capable of withstanding repetitive high energy pulses, TT electronics IRC Wirewound and Film Technologies Division has developed its NT Series wirewound resistors for high energy circuits in defibrillators and other medical electronics applications.

"Many medical electronics systems with high energy circuits, such as automatic external defibrillators (AEDs), require a reliable resistor capable of handling repeated energy surges," explained Keith Chipman, product manager at IRC's Wire and Film Division. "Depending on the application, the NT Series resistors are used to divide the voltage or limit the amount of energy delivered to a patient. In this type of circuit, the resistor is an essential part of the energy delivery system to the patient."

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Designed for surge application, these resistors employ a heavy-gauge resistance wire that is wound in two layers. The second layer is wound in the opposite direction from the first, reducing the inductance. The additional wire mass keeps the resistance wire peak temperature lower during the surge, giving the resistor increased surge capabilities, explained Chipman.

A ground ceramic core provides excellent thermal conductivity for even distribution of heat within the part. All resistance wire connections to the stainless steel end caps and the axial leads are welded for reliability and stability. The resistor body features a high temperature silicone coating for protection.

The NT Series resistors are available in power ratings up to 10W, with resistance values from 0.1 to 125KΩ. Tolerances down to ±0.1% and standard TCRs down to ±20ppm/°C are available. Operating temperature range is from –55°C to +275°C. For surge ratings of specific resistance values and sizes within the NT series, please contact an IRC applications engineer. As is frequently the case for high energy surge parts, components with ratings beyond standard can be engineered to meet customer specifications.

Pricing is dependent upon size and specifications. Typical pricing for the NT Series resistors starts at $1.95 each. Lead times are approximately 12-14 weeks**.**

For additional information about the NT Series resistors from the IRC Wirewound and Film Division, contact them at 828-264-8861, via mail at P.O. Box 1860 Boone, N.C. 28607, e-mail at waftsales@irctt.com, or visit IRC on the web at www.irctt.com.

IRC Inc. is a leading international manufacturer of advanced film, metal glaze and wirewound resistive products with facilities in Boone, NC; Corpus Christi, Texas; Smithfield, N.C. and Barbados, West Indies. IRC is part of TT electronics plc, a leading global electronics company manufacturing a range of specialist products, including electronic passive components, electromechanical and electronic assemblies and sensor modules for the automotive, telecommunications, computer, medical and aerospace markets. TT electronics' Web site can be found at: www.ttelectronics.com.

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To request the electronic image, call 919-872-8172, or e-mail: smobley@btbmarketing.com

Keywords: TT electronics, IRC, NT Series, medical, power electronics, high voltage
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