

## Non-Inductive Resistors

Providing design engineers with a non-inductive power resistor capable of withstanding repetitive high energy pulses, IRC has developed its NT Series wirewound resistors for high energy circuits in defibrillators and other medical electronics applications. 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. A ground ceramic core provides excellent thermal conductivity for even distribution of heat within the part.

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