

**FOR IMMEDIATE RELEASE, BN750**  
**August 23, 2006**



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*Resistors meet stringent requirements in avionics, guidance and communications systems...*

## **IRC'S ULTRA PRECISION WIREWOUND RESISTORS SERVE IN MILITARY APPLICATIONS**

BOONE, N.C. (August 23, 2006) — Providing design engineers with an ultra precision device for critical applications, TT electronics IRC Wire and Film Technologies Division provides an axial lead precision wirewound resistor designed specifically for military and avionics systems. Designated the RB/RBR Series, the resistors meet or exceed the stringent reliability requirements of MIL-R-93 and MIL-PRF-39005.

Typically configured as a precision voltage divider or current shunt, the RB/RBR Series resistors are ideal for applications where highly accurate measurement of voltage or current is required. These resistors are constructed by winding the resistance core in a controlled stress manner, then welding the terminations to reduce contact noise and thermal EMF. They undergo accelerated aging and additional testing to ensure precise accuracy and stability throughout its lifespan.

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## IRC'S ULTRA PRECISION WIREWOUND RESISTORS SERVE IN MILITARY APPS, PG. 2

Available in axial and radial terminal configurations, power ratings for the RB/RBR Series resistors range from 0.125W to 0.5W. Standard tolerance ranges from  $\pm 0.01\%$  to  $\pm 1.0\%$ , and operating temperature range is  $-65^{\circ}\text{C}$  to  $+145^{\circ}\text{C}$ . IRC will also provide precision resistors with special TCR's, screening or other specifications to meet customer requirements.

The RB/RBR Series is part of IRC's extensive offering of full MIL-spec and commercial resistors. The IRC facility includes one of the industry's most comprehensive military-qualified test labs.

Typical pricing for the RB/RBR Series resistors is \$17.76 in quantities of 50. Lead time is from stock to 16 weeks.

For additional information on IRC's RB/RBR Series resistors or to discuss design options, contact the TT electronics IRC Wire and Film Technologies Division at 828-264-8861, via mail at 736 Greenway Road, Boone, N.C. 28607, e-mail at [waftsales@irctt.com](mailto:waftsales@irctt.com), or visit IRC on the web at <http://www.irctt.com/pages/military.cfm>.

IRC Inc. is a leading international manufacturer of advanced film, metal glaze and wirewound resistive products with facilities in Corpus Christi, Texas, Boone, N.C., Smithfield, N.C., and Barbados. IRC is part of TT electronics plc, a global electronics company manufacturing a broad range of advanced electronic components, assemblies and sensor modules for the automotive, telecommunications, computer and aerospace markets. TT electronics' Web site can be found at: [www.ttelectronics.com](http://www.ttelectronics.com).

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*To request the electronic image, call 919-872-8172, or e-mail: [bgaddy@btbmarketing.com](mailto:bgaddy@btbmarketing.com)*

Keywords: TT electronics, IRC, RB, RBR, resistor, precision, wirewound, military  
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