

**FOR IMMEDIATE RELEASE, CO1020
May 14, 2007**

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TaNFilm[®] video demonstrates failure mechanism of nichrome resistors...

IRC'S TANFILM[®] TECHNOLOGY EXHIBITS SUPERIOR MOISTURE PERFORMANCE CHARACTERISTICS OF TANTALUM NITRIDE

LAS VEGAS, NV (May 14, 2007) — Providing design engineers with a demonstration of thin film resistive elements that are immune from corrosion problems in humid environments, TT electronics IRC Advanced Film Division has developed a video about their patented precision thin film resistor technology. Trademarked as TaNFilm[®], the thin film process relies on self-passivating properties of tantalum nitride to produce a more stable, reliable resistive device as compared to nickel-chrome (nichrome) elements used in conventional resistors.

“The two most popular materials used to develop precision thin film resistors are tantalum nitride and nickel-chrome,” said Steve Wade, director of sales and marketing for IRC’s Advanced Film Division. “Unlike nichrome, our TaNFilm technology is self-passivating and does not dissolve when exposed to moisture and a voltage, making it much more suitable for applications that require reliable performance even when exposed to harsh environments, such as automotive, aerospace, military, telecommunications, and portable electronics.”

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IRC's TANFILM[®] EXHIBITS SUPERIOR PERFORMANCE CHARACTERISTICS, PG.2

IRC's TaNFilm[®] process also enables custom circuit configurations and multiple resistance values without compromising tight tolerance or tracking characteristics.

For more information on IRC's TaNFilm technology or to view the video, please access the Web site at <http://www.irctt.com/tanfilm/index.aspx>. For additional information, please contact the TT electronics IRC Advanced Film Division Sales & Marketing Department at 361-992-7900; via mail at 4222 S. Staples St., Corpus Christi, TX 78411; or e-mail at afdsales@irctt.com.

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.

- 30 -

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

Keywords: TT electronics, IRC, TaNFilm, Nichrome, moisture resistance

URL: <http://www.irctt.com/tanfilm/index.aspx>