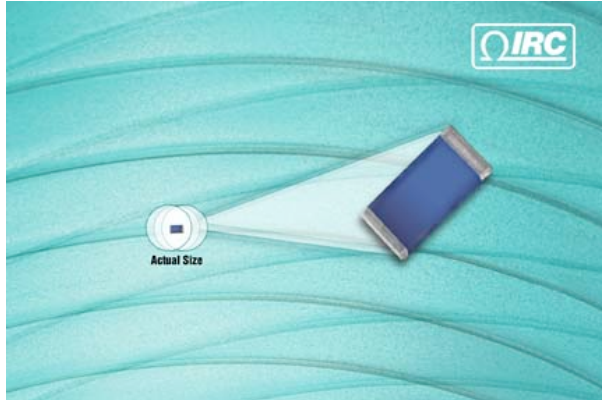


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*Compact RoHS-compliant resistor exhibits long life, high stability in harsh environments...*

## **IRC EXTENDS PRECISION CHIP RESISTOR FAMILY WITH TANTALUM NITRIDE 0402**

LAS VEGAS, NV (May 6, 2008) — Providing design engineers with an extended range of precision chip resistors for space-constrained applications, TT electronics IRC has developed a Tantalum Nitride 0402 chip resistor to expand its comprehensive offering of precision thin film chip resistors. Designated the PFC Series, the chip resistors are constructed on IRC's ultra stable patented Tantalum Nitride (TaNFilm™) thin film resistive element for proven long life and high stability in harsh environments.

“The industry-standard 0402 precision chip resistor was developed to meet the increasing demands for miniaturization in a variety of markets,” said Debasis Roy, director of IRC's thin film business unit. “Because of their precision and superior environmental performance, the PFC Series chip resistors are specified for applications ranging from voltage regulators and power supplies, to instrumentation and test equipment.”

- more -

## **IRC EXTENDS PRECISION CHIP RESISTOR FAMILY WITH 0402 PACKAGE SIZE, PG. 2**

The precision chip resistors are ideal for use as one or two-chip solutions in battery monitoring, voltage references, voltage conversion, voltage regulators, logic-level conversion, DC/DC converters, power supplies, and COTS applications, along with instrumentation and test devices including DMMs, measurement bridges, and strain gauge circuits.

The PFC 0402 chip resistors are offered with a power rating of 50mW and voltage rating of 75V. Operating temperature ranges from -55C to +150°C. IRC will also produce devices outside these specifications to meet customer requirements.

The PFC 0402 chip resistors feature a non-leaching nickel barrier and wrap around terminations, and are available with standard Sn/Pb terminations or 100% matte-tin (Pb-free).

Pricing for the PFC 0402 chip resistors is typically at \$0.24 each in quantities of 25,000. Lead time is from stock to 12 weeks.

For datasheets or more information on IRC's PFC 0402 chip resistors, please access the Web site at <http://www.irctt.com/products.aspx?frmCategory=35>. 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](mailto: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.

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

Keywords: TT electronics, IRC, PFC, 0402, chip resistor, thin film, precision

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