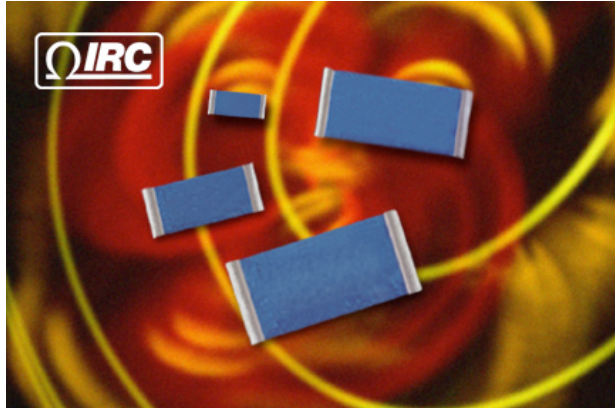


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TaNFilm product line provides excellent stability in harsh environments...

IRC'S TANFILM HIGH TEMPERATURE PRODUCTS WITHSTAND UP TO 200°C

CORPUS CHRISTI, TX (August 2, 2005) — TT electronics IRC Advanced Film

Division introduces a TaNFilm high temperature product line allowing design engineers to maintain critical electrical characteristics in high temperature applications. The products include the PFC-D-HT Divider Series of surface mount voltage dividers, the PFC-HT Series of TaNFilm chip resistors and the 1900HT/4700HT Series of DIP and SIP networks.

According to Steve Wade, Director of Sales and Marketing, all of the products in each HT series will operate within its capabilities at 200°C. “This characteristic is especially critical to instrumentation operating in high temperature conditions,” he said. The TaNFilm high temperature products are also ideal for other applications where parts are subjected to stress from extended heat exposure or extreme temperature changes, including military and aerospace applications.

- more -

IRC'S HIGH TEMPERATURE PRODUCTS CAN WITHSTAND UP TO 200°C, PG 2.

The PFCD-HT surface mount voltage dividers are available in the 1206 size package. The divider chip features a resistance range of 100Ω to 25KΩ per resistor with absolute tolerance of ±1% and absolute TCR as low as ±25ppm/°C. Ratio tolerances to ±0.1% and TC tracking to ±5ppm/°C provide a superior alternative to matched sets. Power rating is 125mW and the operating temperature range is -65°C to +200°C.

Available in industry standard 0603, 0805 and 1206 chip sizes, the PFC-HT Series TaNFilm chip resistors have a power rating of 62.5mW, 100W and 125mW with an operating temperature up to +200°C. The resistors have absolute TCRs available to ±25ppm/°C depending on resistance value. Both the surface mount voltage dividers and chip resistors are available with plated gold or 100% tin (Pb-free) terminations.

The 1900HT and 4700HT high temperature DIP and SIP networks feature bonded leads that are not susceptible to solder reflow problems. The networks have absolute TCRs to ±25ppm/°C with TC tracking to ±5ppm/°C. Absolute tolerances to ±0.1% with ratio accuracies to ±0.05% are available. Power rating for the DIP package is 1.12W to 1.28W depending on package size, while SIP power ranges from 0.24W to 0.32W. The temperature range is -65°C to +200°C.

Typical pricing for the PFCD-HT Divider Series devices is \$3.00 with lead times of 12 weeks; PFC-HT Series resistors are priced at \$1.00 with lead times from 10 to 12 weeks; 1900HT/4700HT Series networks are \$5.00 with lead times from 6 to 8 weeks. Please contact IRC for minimum order quantity information.

IRC'S HIGH TEMPERATURE PRODUCTS CAN WITHSTAND UP TO 200°C, PG 3.

For more information on IRC's TaNFilm high temperature products or to discuss design options, 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; e-mail at afdsales@irctt.com or visit the IRC Web site at www.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.

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

Keywords: TT electronics, IRC, PFC-HT Divider Series, PFC HT Series, 1900HT/4700HT Series, TaNFilm, High Temperature

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