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Surface mount chip resistors replacing molded wirewound devices...

IRC EXTENDS RESISTANCE RANGE, VOLTAGE RATING OF HIGH POWER CHIP RESISTORS

CORPUS CHRISTI, TX (March 23, 2007) — Providing power electronics engineers with more options in resistive devices that meet new power supply and voltage requirements, TT electronics IRC Advanced Film Division has extended the resistance range and voltage rating of their high power dissipation surface mount chip resistors. The SC-3 series resistors now feature resistance values up to 100K ohms and voltage ratings to 100V.

According to Gary Bleasdel, thick film business unit director for IRC's Advanced Film Division, there has been an increasing demand from customers for the higher specifications. "Previously, the resistance range only went to 200 and the voltage rating to 50V, limiting customers in the use of this device," said Bleasdel. "The extended ranges allow customers to replace more expensive and bulky molded wirewound devices in motor and laser drive circuits, inverters, medical electronics and automotive applications."

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IRC EXTENDS RESISTANCE RANGE, VOLTAGE RATING OF CHIP RESISTORS, PG. 2

Additional applications for the SC-3 Series resistor include power supply bleeders, series voltage drop resistors, pulse applications and voltage dividers.

The SC-3 Series chip resistors feature resistance ranges from 1 Ω to 100K Ω , with a maximum voltage rating of 100V and absolute tolerance to $\pm 1\%$. The resistor dissipates up to 3W @ 70°C, and features a TCR of $\pm 100\text{ppm}/^\circ\text{C}$. The operating temperature range is from -55°C to +150°C. The chip resistors feature leach-resistant 60/40 tin/lead or 100% matte tin over nickel plated wrap-around terminations. IRC will also produce devices outside these specifications to meet customer requirements.

Pricing for the SC-3 Series chip resistors is \$0.25 each in quantities of 1K. Lead time is from stock to 10 weeks.

For more information on IRC's SC-3 surface mount chip resistor, please access the Web site at <http://www.irctt.com/products.aspx?frmCategory=34>. 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.

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

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