

**FOR IMMEDIATE RELEASE, CO1055  
June 21, 2007**



*For more information, contact:  
Gary Bleasdel, Thick Film Business Unit  
Director  
IRC, Inc.  
361-992-7900  
[gary.bleasdel@irctt.com](mailto:gary.bleasdel@irctt.com)*

*Beth Gaddy, BtB Marketing  
919-872-8172  
[bgaddy@btbmarketing.com](mailto:bgaddy@btbmarketing.com)*

*Power resistor construction yields low thermal resistance, high insulation resistance...*

## **IRC's TO-247 POWER RESISTORS FEATURE HIGH STABILITY ELEMENTS FOR HIGH FREQUENCY, HIGH-SPEED PULSE APPLICATIONS**

CORPUS CHRISTI, TX (June 21, 2007) — Providing design engineers with a high-power resistive device in a stable transistor style package, TT electronics IRC Advanced Film Division's MHP Series TO-247 power resistors are available in 100W and 140W packages.

According to Gary Bleasdel, thick film business unit director for IRC Advanced Film Division, the resistors are specified for applications that require accuracy and stability. "The MHP Series resistors are designed with an alumina ceramic layer that separates the resistance element and mounting tab," said Bleasdel. "This construction provides very low thermal resistance while ensuring high insulation resistance between the terminals and the metal back plate. As a result, the resistors feature a very low inductance, making them ideal for high frequency and high-speed pulse applications."

- more -

## **IRC's TO-247 POWER RESISTORS FEATURE HIGH STABILITY ELEMENTS, PG. 2**

Additional applications for the MHP Series TO-247 resistors include automation test equipment, high frequency snubber and pulse handling circuits, motor control and drive circuits, switch mode power supplies, load resistors, automotive electronics, industrial power equipment, UPS systems, and industrial computers.

The MHP Series 100W and 140W resistors feature a resistance range of 0.01Ω to 220Ω, inductance value of <50nH and a voltage rating of 700V. Absolute tolerances are to ±1% and ±5, with absolute TCRs to ±100ppm/°C. Operating temperature range is -40°C to + 85°C. IRC will also produce devices outside these specifications to meet customer requirements. The MHP Series power resistors are available with RoHS-compliant terminations.

Pricing for the MHP Series TO-247 power resistor is \$4.58 each in quantities of 1K. Lead time is from stock to 10 weeks.

For datasheets or more information on IRC's MHP Series power resistors, 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](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.

- 30 -

*To request the electronic image, call 919-872-8172, or e-mail: [bgaddy@btbmarketing.com](mailto:bgaddy@btbmarketing.com)*  
Keywords: TT electronics, IRC, MHP Series, TO-247, 100W, 140W, Power  
URL: <http://www.irctt.com/products.aspx?frmCategory=34>